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Bolgiano's

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CAPITOL CITY SEEDS

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F.W. BOLGIANO & CO.
607 E. ST. N. W., RETAIL STORE
411 NEW YORK AVE. N. E.
FARM AND DEALERS SUPPLIES
WASHINGTON, D. C.

PRITCHARD TOMATO
PKT. 15c; OZ. 40c. POSTPAID

NRA MEMBER U.S.

BOLGIANO'S LAWN GRASS SEED

MAKE BEAUTIFUL LAWNS

MIXTURES FOR ALL PURPOSES

BOLGIANO'S FAIR GREEN LAWN GRASS

With Creeping Bent

There has long been an increasing demand for the use of bent grass in lawns, in fact, many have tried to make pure bent grass lawns and have not always been satisfied.

Recognizing this unfilled want, we have in cooperation with the best grass experts, produced a mixture of fine grasses that we now offer as Fair Green. The grasses in Fair Green Mixture were selected on the basis of years of experimentation on lawn and golf course work here in Washington. For a base there is still nothing superior to Kentucky Blue Grass, which remains evergreen all winter. Then there's a grass that resists the dry summer weather; one to grow quickly giving an even sod in a short time; the old favorite white clover that most people want in abundance, and finally bent grass to give that dense undergrowth and velvety appearance so wanted by all. **1 lb. 45 cts.; 5 lbs. $2.00; 10 lbs. $3.75; 25 lbs. $7.50.**

FOR PUTTING GREENS

Our special mixture for putting greens is unsurpassed. Write for prices.

Write for Our Free Booklet "How to Make and Maintain a Lawn."

WHITE HOUSE "SHADY NOOK" LAWN GRASS SEED

It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade and as it blends well with our Capitol Park Lawn Grass Seed it may be used on those portions of the lawn which are shaded by trees, buildings, etc., thus covering the whole area with a beautiful carpet of green. **Lb. 35c; 5 lbs. $1.50; 10 lbs. $2.75; 25 lbs. $6.50.**

BOLGIANO'S "CAPITOL PARK" LAWN GRASS SEED

It is composed of the very finest varieties of grasses, thoroughly recleaned, free from all chaff and weed seeds. Contains a well balanced blend of various American and foreign fine-bladed and deeply-rooting grasses which has proved to produce the best results under the varied conditions as to soil and climate met with in America. It will give a green, smooth, velvety sod with a thick bottom and free from such varieties of common grasses as produce clumps and knots on the lawn which so frequently spoil the desired smooth and deep effect. **Lb. 30 cts.; 5 lbs. $1.25; 25 lbs. $5.25.**

FOR FAIRWAYS

We have a special mixture for fairways. Write for prices.

RUBBER HOSE

We make a specialty of **GARDEN** and **SPRAY HOSE.** Our prices compared with department store hose are cheaper and quality better.

We guarantee our Hose. This we believe to be the best, longest lasting hose on the market.

¾-inch Hose, 2 Braid Molded	13 cts. per ft.
¾-inch Hose, Golf Course Special	21 cts. per ft.
⅝-inch Hose, 2 Braid Molded	12 cts. per ft.
⅝-inch Hose, 1 Braid Molded	9 cts. per ft.
½-inch Spray Hose	15 cts. per ft.
Nozzles	50 cts. each

Write for special quantity prices on hose

HOSE REELS

Little Giant	$1.25
Tilting Frame	2.00

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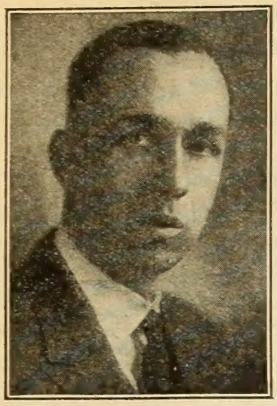
FEB -1 1934

STICKS AND STONES



CHARLES W. BOLGIANO
PRESIDENT
F. W. BOLGIANO & CO.

DEAR FOLKS:

Of course we know that a pile of concrete and bricks don't in themselves mean much to you, and it's rather foolish to start talking about them, but in spite of it all that's what I want to tell you about today. As a matter of fact it is rather a special pile of bricks that concerns us this time, because it is a new warehouse. Because it is going to mean better service for our customers, we hope it will be of interest to you.

We feel rather proud of this new home. Really it is much more than a pile of bricks to us. In a sense it seems like coming back home because once more we shall be located on the market. Once again we shall be so situated that farmer and dealer alike can be served quickly and efficiently, so we hope you will like it too.

Nor is this all that we have to offer in improved service this year. Of interest to our town customers, we call attention to our rearranged retail store down on E Street. For the first time you can be served from the one store room whether it is seed or shrubs or whatnot you desire. There is more room too so that you may buy with less congestion and more comfort.

When garden time arrives, be sure to come to see us. We think you will be pleased.

Cordially yours,

CHARLES W. BOLGIANO,
OR MISTER CHARLES.

Downtown Retail Store
607 E Street, N. W.

Dealer and Farm Supplies
411 New York Avenue, N. E.

HOW TO ORDER

SEEDS DELIVERED FREE. Packets, Ounces, Quarter Pounds, or Pounds of all Vegetable Seeds, ordered at list prices, will be sent FREE by Parcel Post. This also applies to Peas, Beans, and Sugar Corn by the Packet, Pint and Quart; larger quantities than these, carrying charges extra. This DOES NOT APPLY to Field and Grass Seeds and Seed Potatoes, which will be sent at regular Parcel Post or Express Rates. Orders for greater than one-pound lots will also be delivered at regular parcel post or express rates.

OUR TERMS are always cash with order, or satisfactory New York, Philadelphia or Washington reference.

MONEY can be sent at our risk by Post-Office or Express Money Order, New York or Chicago Draft, or by registered letter. We cannot hold ourselves responsible for cash sent loose in letters.

AN ORDER BLANK for your convenience in placing your order will be found in this catalog.

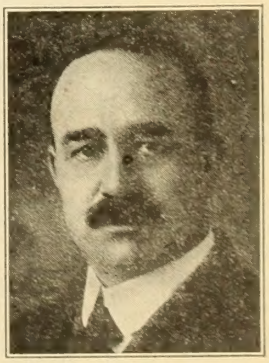
NAME AND ADDRESS should be written plainly both on the Order Blank and on the envelope enclosing the order. Names of seeds and plants should be written out in full in plain writing.

EXPRESS or FREIGHT shipments should have the name of the station plainly given where different from the post-office.

GIVE FULL DIRECTIONS always whether shipment is to be made by freight, express or parcel post.

ORDER EARLY. We aim to fill all orders within twenty-four hours after receipt. Please do not wait until the extreme rush season when there are more chances for delay.

WE GUARANTEE our seeds, plants, etc., to reach our customer in good condition. We give no warranty, expressed or implied, as to description, purity or productiveness, or any other matter of any seeds, plants or bulbs we send out, and will not be in any way responsible for the crop. If purchaser does not accept the goods on these terms, they are to be returned at once, and the money that has been paid for same will be refunded. There are many reasons why seeds do not always turn out as desired such as sowing too deep or too shallow, in too wet weather, cold weather, or too dry soil, or too wet soil, insects which do not only destroy the seeds, but often the young plants, about the time they appear at the surface of the ground. For these causes we cannot guarantee seeds or the crop.



FRANK W. BOLGIANO
FOUNDER
F. W. BOLGIANO & CO.

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Parcel Post and Packing Rate Table

Seeds, Plants, Bulbs, Roots, Garden, Lawn and Poultry Supplies

SIZE OF PARCEL THAT CAN BE SENT BY PARCEL POST

Size of package that can be sent by Parcel Post cannot be over 100 inches in length and girth combined.

WEIGHTS BY PARCEL POST

Parcels up to 70 pounds can be sent by Parcel Post to all the zones. To points farther than the 2nd zone on weight of over 10 pounds, the charge by freight or express is usually more economical.

POSTAGE AND PACKING RATE TABLE

	First pound or fraction	Each additional pound or fraction
Local Rate, Washington and Suburbs only	7c	½c
1st Zone, within 50 miles of Washington, D. C.	8c	1½c
2nd Zone, within 150 miles of Washington, D. C.	8c	1½c
3rd Zone, within 300 miles of Washington, D. C.	9c	2 c
4th Zone, within 600 miles of Washington, D. C.	10c	3½c
5th Zone, within 1,000 miles of Washington, D. C.	11c	5½c
6th Zone, within 1,400 miles of Washington, D. C.	12c	7 c
7th Zone, within 1,800 miles of Washington, D .C.	14c	9 c
8th Zone, over 1,800 miles from Washington, D. C.	15c	11 c

A fraction of a cent in the total amount on any parcel counts as a full cent.

Parcel Post can now be sent by Special Delivery for the following additional postage: 15 cents for not more than 2 pounds, 25 cents for not more than 10 pounds, 35 cents on more than 10 pounds.

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332. Pritchard or Scarlet Topper Tomato

The Last and Most Wonderful Achievement in Wilt Resistant Tomatoes of the Late Prof. Pritchard of the U. S. Dept. of Agriculture

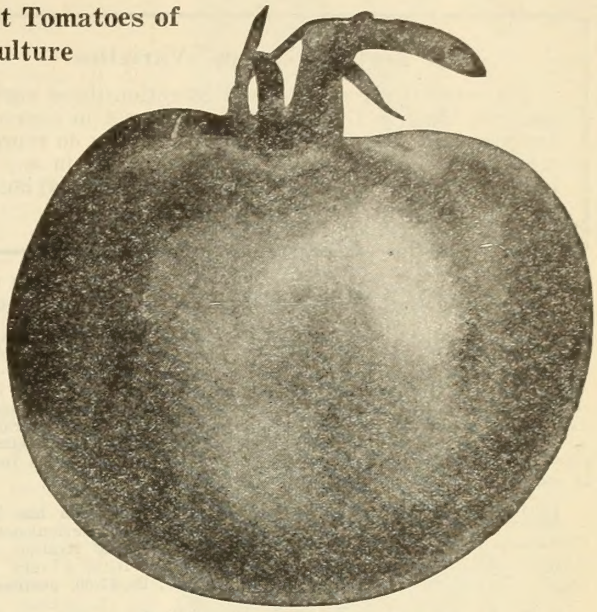
This tomato, the result of the most recent and scientific research in Wilt Resisting Tomatoes has been secured by crossing Marglobe with Cooper's Special and combines the best quality of each.

It is a mid-season main crop variety, producing a heavy crop of deep scarlet globe shaped fruits. The fruits are of good size, extremely heavy with thick walls, uniform and borne in clusters. The inside color is a beautiful deep red, which makes it very desirable as a canning sort.

The vines are of rugged growth and medium height with an abundance of foliage to protect the fruit from sun scald.

The Pritchard or Scarlet Topper Tomato is outstanding for home and market gardeners' use as well as for long distance shipping.

Pkt. 15 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50, postpaid.



Pritchard or Scarlet Topper
See Front Cover Page

257. Break O'Day Tomato

The Most Recent Perfection in Tomatoes

Break O'Day Tomato

Globe Shaped—Every Good Quality of the Marglobe—Two Weeks Earlier Than Marglobe

This wonderful tomato was originated by the late Dr. F. J. Pritchard of the Bureau of Plant Industry, U. S. Department of Agriculture.

Break O'Day is a hybrid from Marglobe and other earlier tomatoes. It possesses all the wilt and disease resistance of the Marglobe, but ripens very nearly as early as the Earliana or at least two weeks before the Marglobe. It is the only Extra Early Tomato of a deep globe shape, with few seeds and with the solidity of Marglobe. It is an extremely good shipper and ripens very red. It has foliage similar to the Earliana. Its especial value will be to the market gardener in enabling him to put a large crop of excellent quality globe-shaped tomatoes on the early market. It holds well during the hot weather and is an abundant yielder throughout the entire season. No acid, just full of deliciously sweet, beautiful red meat. We can highly recommend Break O'Day to market gardeners, kitchen gardeners and canners. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4.00, postpaid.**

275. The Bolgiano Tomato. The Potato Leaf Tomato. Blossoms continually. Every vine is just loaded with perfect red solid tomatoes all during the season. The Bolgiano Tomato is two weeks earlier than Earliana. First fruit just as perfect as the prime fruit of the season. The heavy potato leaf foliage protects the fruit from sun scalds and blisters. The large stem set clusters make it a profitable tomato for the grower. Never have we received such acknowledgments from any of our own creations as we have the "Bolgiana" tomato. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

244. Marglobe Tomato (Arlington Strain). Strong, healthy, disease resistant vines which continue to thrive and produce fruit long after other varieties have gone. Perfectly globe shaped, of a beautiful red color. Second early main crop. Delicious flavor, free from acid; very meaty; good shipper. Excellent for the hmoe garden. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50, postpaid.**

Bolgiano's "Seeds that Succeed" for 1934

"Best in Garden" Varieties

We respectfully call to your attention those varieties marked "Best in Garden." These do not in every case represent our latest introductions, but they do represent those varieties that stand out conspicuously in any garden as the "Best in the Garden." You are playing safe by planting liberally of these varieties.

We Pay Postage on All Vegetable Seed Ordered by the Pkt., Ozs., ¼ Lbs. and Lbs. Excepting Peas, Beans and Corn. On These We Pay the Postage Only on Pkts., Pts. and Qts. Larger Quantities Carrying Charges Extra.

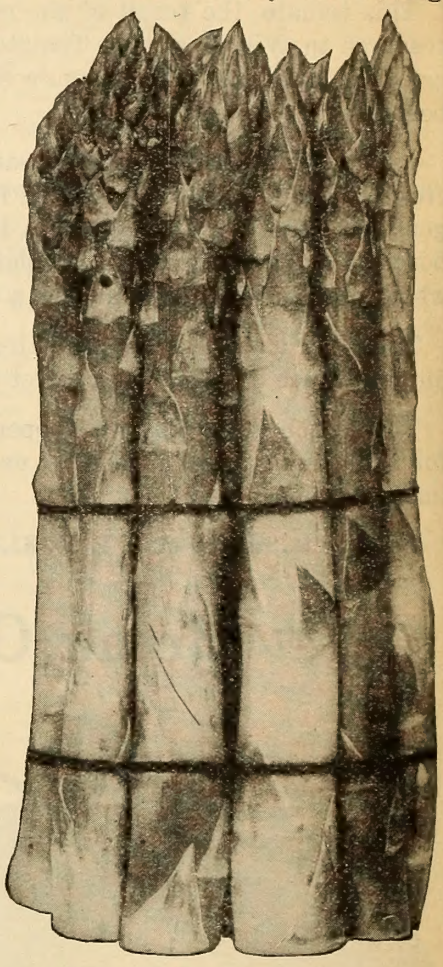
ASPARAGUS

One ounce to 50 feet of drill
About 4 pounds to the acre

CULTURE. Sow the seed thinly in rows 1 foot apart in April or May (4 to 5 pounds to the acre) and keep down all weeds. To secure strong, healthy plants, thin the seedlings to 3 or 4 inches in the rows, saving only the strongest. The one-year-old plants should be set out in the spring in rich, sandy loam, dug 18 inches deep, into which has been worked a plenty of well-rotted manure. If a stiff clay soil is all that can be had, add a plenty of sand and sifted coal ashes to loosen it up, and also see that it is well underdrained. In planting for private use, set out in beds 5 feet wide, 3 rows in a bed, the outer being each 1 foot from the edge, and allow 18 inches between rows. Set the plants from 4 to 6 inches below the surface. If set out in autumn, top-dress with 6 inches of manure.

167. Mary Washington. This variety which has been selected by the United States Department of Agriculture has proven to be nearly rust free. The shoots are thick and heavy. They are long and straight with closely folded tips. The color is rich dark green tinted deeper at the tips. It is a very heavy yielder of exceptionally fine flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00, postpaid.**

149. Palmetto. Produces abundantly large deep green shoots of fine quality. It is still more widely used than any other variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts., postpaid.**



Mary Washington Asparagus

Asparagus Roots

Plant either in spring or fall. **By mail, 20 cts. per 100 extra.**

PALMETTO. 2-year-old roots, 12 for 30 cts.; 100 for $1.00; 1,000 for $7.00.

WASHINGTON. 12 for 50 cts.; 100 for $1.40, 1,000 for $9.00.

ARTICHOKE

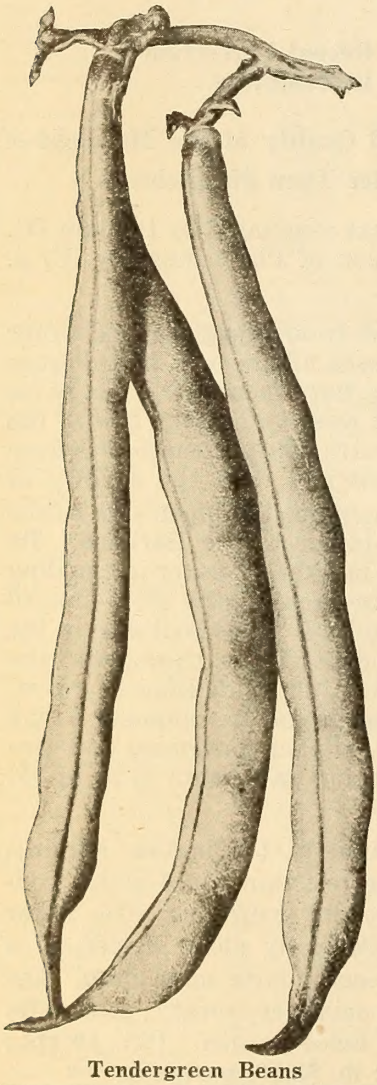
One ounce will produce about 500 plants

CULTURE. Sow seeds in January in the greenhouse or in hotbeds in March. Transplant when large enough in rows 3 feet apart, 2 feet in the row. Cultivate when growing, freely, and protect the plants in winter by taking them in a cellar or in a cold frame, or they may be left outdoors protected by straw in a climate that is not too severe. Artichokes properly cared for last for several years.

248. Green Globe. **Pkt. 10 cts.; oz. 45 cts.**

BEANS (Green Podded Bush)

One quart will plant 100 feet of drill; 1 to 2 bushels to the acre.



Tendergreen Beans

521. Tendergreen Beans
("Best in Garden" Variety)

Without question this is the finest stringless greenpod bean introduction of recent years. Up-to-date perfection both for market and home garden. A most prolific producer of round, meaty, tender pods, 6½ to 7 inches in length and absolutely stringless. Color a very attractive beautiful deep green. The quality and flavor of the pods are unexcelled. Produces a strong upright bush vine about 1½ to 2 feet in height and matures in about seven weeks from sowing the seed. Splendid for canning because they retain their color and delicious flavor just as if freshly picked from the vines. You will be delighted with this bean if you give it a trial. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; pk. $2.40; bu. $8.50.**

CULTURE. About the first of May, if the ground is perfectly warm, select a warm, dry sheltered spot; dig and manure slightly; make drills 2 inches deep and 18 inches to 2 feet apart; drop the beans 3 inches apart in the drills and cover not more than 2 inches deep. Hoe well in dry weather to keep down the weeds. Sow every 2 weeks for a succession. **For mailing, see Parcel Post Rates, page 2.**

Seed beans weight by Parcel Post, including packing: Pt., 2 lbs.; Qt., 3 lbs.; 4 Qts., 9 lbs.; Pk., 17 lbs.

10591. Bolgiano's Stringless Green Pod. A superior strain for home or market use, absolutely stringless, producing heavy crops of long, meaty pods. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.10; bu. $7.25.**

596. Black Valentine. Very hardy and productive. A general favorite among truckers for early spring market. Owing to toughness of pods not generally recommended for home gardens. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $2.00; bu. $7.00.**

Parcel Post Rates
See Page 2

BEANS—Green Podded Bush

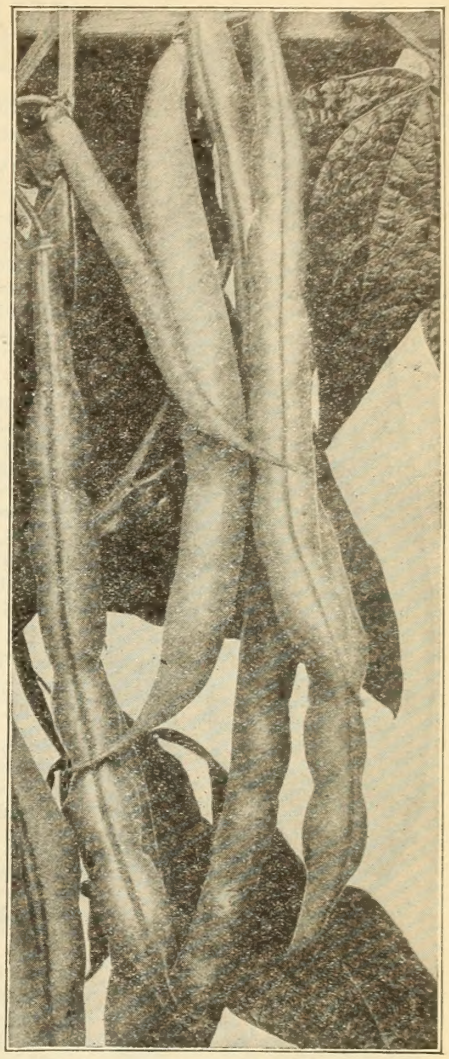
No matter how small or how large your garden, you certainly want to devote some space to beans. There is hardly any crop that will repay you more for your time and efforts. They are very healthy and nutritious. Beans are vigorous growers and abundant producers. Plants of the greenpod bush varieties range from 15 to 20 inches tall. The beans are most delicious if they are picked before they reach full size and the plants will continue to bear much longer. The early varieties will mature in from 45 to 65 days.

570. Stringless Black Valentine. ("Best in Garden" Variety.) Retains all the good qualities of Black Valentines and adds stringlessness. Early, reaching picking stage in 49 days. Plant is very hardy, upstanding, dark green and very prolific. Pods 6½ to 7 inches long, oval round, nearly straight, meaty stringless, fine quality and delicate flavor. Good for home, market gardeners and shippers. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts.; pk. $2.40; bu. $8.50.**

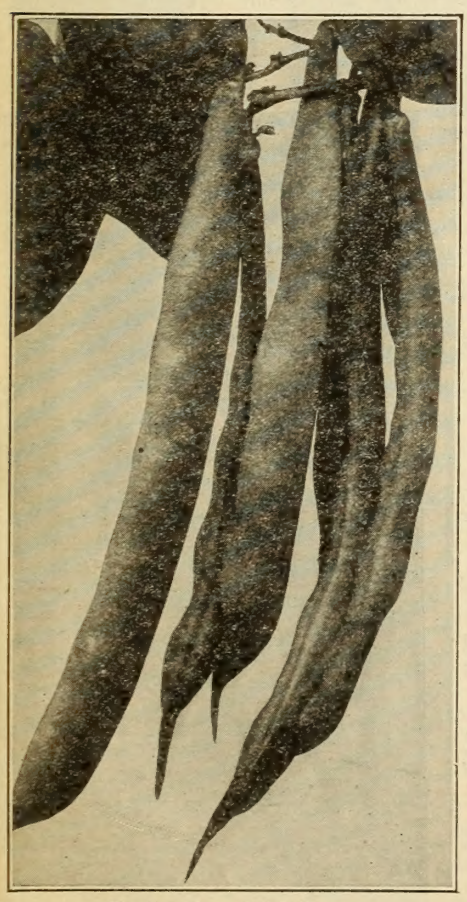
593. Red Valentine. Will produce beans for home market earlier than any other variety. The pods are of good quality and medium in color and size. Its ability to produce a crop under adverse conditions together with earliness makes it one of the market grower's favorites. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $2.00; bu. $7.00.**

591. Giant Stringless. Used more universally than perhaps any other bean, being very popular among home gardeners, market growers, and canners. Exceedingly handsome and productive, with very long, nearly round pods of medium green color. The pods are straighter than Stringless Green Pod and are matured a few days later. The plants are vigorous, being large and spreading. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $2.00; bu. $7.00.**

595. Stringless Green Pod. A very early and prolific variety having long, round, fleshy, medium green pods. It has a long bearing season, making it very desirable for the small garden. It is larger than Red Valentine and retains its crispness and tenderness longer. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.15; bu. $7.50.**



Bolgiano's Stringless Greenpods



Early Bountiful Beans

10596. King of the Earliest. One of the earliest and hardiest of the green varieties. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.10; bu. $7.25.**

587. Early Bountiful. One of the very best beans grown both for home and market, also valuable for early shipping. Plants are large, thrifty and prolific. They produce very early and if picked when young will continue to bear for a long time. Pods clear light green, 6½ to 7 inches long, over ½ inch wide, flat ⅜ inch thick; fleshy, strictly stringless, brittle and tender. Seeds are straw yellow. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.40; bu. $8.50.**

582. Refugee, or 1,000 to 1. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.85; bu. $6.50.**

589. Full Measure. A fine quality bean that has gained popularity as a market variety and is also satisfactory for home planting. Pods are similar in size and shape to Giant Stringless. Medium in season. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.40; bu. $8.50.**

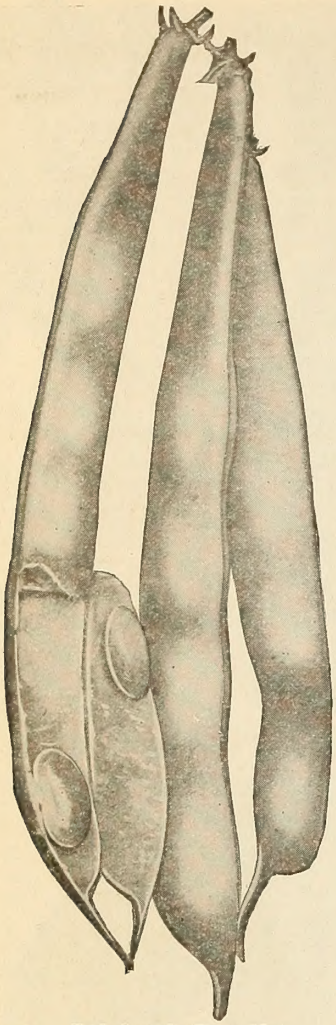
509. Tennessee Green Pod. This early intermediate snap bean is very popular in some sections of the south and where known in other parts of the country is considered of exceptional merit. It is the longest podded dwarf sort. The plants are large, somewhat spreading and prolific. The foliage is dark green, with leaves large and crumpled. The pods are very long, often six to seven inches, flat, irregular in shape, bright but rather dark green and of exceptionally fine flavor. The green shell pods are much depressed between seeds. Seed of medium size, oval, flat, yellowish brown in color. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $2.00; bu. $7.00.**

584. Dwarf Horticultural. Very productive, pods of medium length with splashes of red. Always stringless and desirable for cooking when young. The green shelled beans are of the finest quality and are matured early. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.35; bu. $8.25.**

519. Boston Pea, or White Navy. The most popular of all the so-called baking beans. Easily grown and very productive. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.75; bu. $6.00.**

WAX BEANS

Seed Beans weight by parcel post, including packing: Pint, 2 lbs.; qt., 3 lbs.; 4 qts., 9 lbs.; pk., 17 lbs.



Bolgiano's Best Yet Wax Beans

585. Bolgiano's Best Yet Wax.
("Best in Garden" Variety.)

Among the finest of late introductions. It is erect and bushy in habit of growth, bearing heavily rich lemon yellow, flat pods which are brittle and absolutely stringless. Its resistance to disease assures wonderful yielding qualities that recommend them highly to the home grower, trucker, and canner. You will fall quite in love with their tenderness and delicious flavor and, after growing them once, they will be assured of a permanent place in your garden. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts, postpaid; pk. $2.40; bu. $8.50.**

594. Improved Rust-Proof Golden Wax. An early and valuable sort for home and market garden, being quite productive of well-shaped, medium-sized flat pods. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.10; bu. $7.25.**

514. Wardwell's Kidney Wax. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts.; pk. $1.85; bu. $6.50.**

583. Bolgiano's New Wax. The pods are absolutely stringless, are round and clear light yellow in color. The plants are very vigorous and branching in habit, producing medium sized round pods in abundance. It is unusually free from rust and quite early. A splendid variety in the home garden or for market use. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.20; bu. $7.75.**

513. Davis Kidney Wax. A popular variety for shipping. The plants are hardy, vigorous and productive, bearing very long, light yellow pods that are attractively crisp and tender. The white, dried beans are quite desirable for winter cooking. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.15; bu. $7.50.**

512. Hodson Wax. A hardy, vigorous variety that is popular with truckers for shipping. The pods are very long, flat, but fleshy, light yellow and very resistant to rust, quite tender and stringless if picked young. A popular late or main crop market bean. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.10; bu. $7.25.**

529. Currie's Rust-Proof Wax. Being very early and productive it ranks first among truckers for shipping. The pods are similar in shape to Golden Wax but longer. The plants are hardy and quite resistant both to frost and rust. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.85; bu. $6.50.**

592. Sure Crop Stringless Wax. A very fine flavored, tender bean. The pods are more fleshy, nearly round, and better quality than Currie's Rust-Proof, but being somewhat later are used more by market and home growers. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.35; bu. $8.25.**

588. Pencil Pod Wax. A medium early stringless sort, which is used by market growers and home gardeners. The very fine, long, bright yellow pods are produced through a long season, on plants that are fairly hardy and quite productive. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.10; bu. $7.25.**

Climbing, or Pole Beans

581. Kentucky Wonder, Old Homestead. This variety is one of the earliest and most desirable of all the green podded running types. It is enormously productive; the pods, hanging in great clusters from base to top of pole, are of a silvery green color and entirely stringless, growing rough and spongy as the beans ripen. They cook deliciously tender at all times and are very popular among home and market gardeners. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $8,75.**

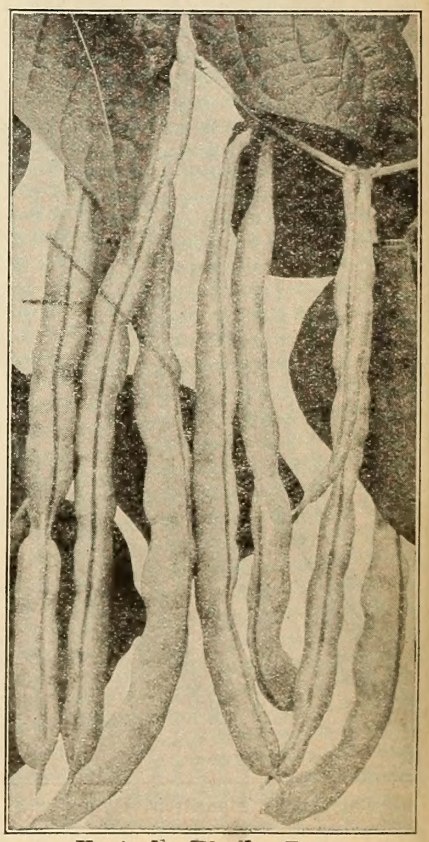
518. Lazy Wife. One of the best for snaps of the later green podded pole beans. The numerous pods, borne in large clusters, are 5 to 7 inches long, broad, thick, fleshy, and entirely stringless. When young they have a rich buttery flavor, which is retained until they are nearly ripe. The dry beans are excellent for winter use. Seed, white. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.40; bu, $8.50.**

590. Cherry Pole, Horticultural, or Cutshort. Vines moderately large, light colored leaves; pods short, pale green, but becomingly streaked with bright red; beans large, oval, splashed and spotted with wine-red, and of the highest quality either green or dry. Many people like them better than Limas. Adapted for cool locations and short seasons. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.40; bu. $8.50.**

516. Burger's Stringless Green Pod. White-seeded Kentucky Wonder. The pods average 6 to 8 inches in length, are uniformly straight, of a rich, dark green, and so meaty as to be really saddle-backed. The pods are as entirely stringless as the popular Stringless Green Pod Bush Bean; they are equally tender and of similar sweet, mild flavor. The dry beans are pure white. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.40; bu. $8.50.**

520. Golden Cluster Wax. Extra strong in growth and very productive. The pods are of large size, 7 to 8 inches long by ¾ inch wide. Although flat, the pods of a rich golden yellow, are stringless and of excellent flavor. The dry seeds are thick and pure white. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $9.00.**

213. Scarlet Runner. In northern locations, where the summers are cool and short, this takes the place of the Large Lima Beans. Plants are strong, quick growth, bearing large sprays of bright scarlet, pea-like flowers. When fully ripened, the dry beans are of bright scarlet, heavily blotched with purple. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid.**



Kentucky Wonder Beans

Bolgiano's Enormous Bush Lima.

Parcel Post Rates
See Page 2

BEANS—Bush Lima

10569. Bolgiano's Enormous Bush Lima. **("Best in Garden" Variety.)** This wonderful Bush Lima is the earliest, largest and best of all bush limas; the vigorous bushes are crowded with enormous pods. The delicious green beans are larger than any other Lima Beans. It yields continuously from June until frost. Both the pods and the luscious flavored beans are much larger and considerably thicker than the large bush lima. The seed beans are greenish and very handsome, while the dried beans of the large bush limas are pure white. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.30; bu. $12.25.**

575. Fordhook Bush Lima. Sometimes called the Potato Bush Lima. The plants are vigorous and erect bearing pods well above the ground. The medium green pods average nearly five inches long and are borne in heavy clusters. They are well filled with thick meaty beans which retain their green tint when dried. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; pk. $3.85; bu. $14.50.**

569. Improved Large Bush Lima. An early large green seeded sort, quite vigorous and productive. The pods are very large, medium green, and are well filled with thick, large-sized beans of excellent flavor. It produces a magnificent crop for market or home garden. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $3.25; bu. $12.00.**

571. Henderson's Bush Lima. It has merit in being productive and very early for family use, and where the trade demands a small-sized bean it has no superior. Makes a delicious dried bean for winter use. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. 2.50; bu. $9.00.**

578. Dreer's Bush Lima. An excellent variety that is very valuable to all on account of its productiveness. The beans grow close together in the pods, are thick, sweet, and succulent, very similar in shape to Fordhooks, but not quite so large. **Pkt. 10 cts.; pt. 40 cts.; qt. 75 cts., postpaid; Pk. $4.00; bu. $15.00.**

10571. Wood's Prolific Bush Lima. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.60; bu. $9.25.**

Pole Limas

One qt. to 150 hills; 10 to 12 qts. to acre.
Parcel Post Rates See Page 2

CULTURE. Choose light soil and make small hills 3 feet apart, having previously spaded deeply and fertilized. Plant long poles 2 feet deep in the center of the hills. Allow 6 beans to each hill, covering them barely beneath the surface, their eyes downward. Do not allow more than 3 to climb a pole, but remove extra plants to hills where less than 3 have sprouted. The lima bean is very delicate, and often from slight causes fails to sprout. They should not be planted until the ground is warm.

573. Bolgiano's Evergreen Pole Lima. **("Best in Garden" Variety.)** We offer you the "Evergreen" as the most perfect green bean that we have ever seen. The quality is unsurpassed, fine flavor; tender, thin skin, and cooks quickly. Bears continually until frost. The yield is enormous, of large pods hanging in clusters, filled full of the most delicious beans. Really your home garden will not be complete without the "Evergreen," and it will surely be a profitable bean for the market gardener. We have a limited supply. Place your order at once. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.60; bu. $9.25, not prepaid.**

577. Bolgiano's "Emerald Isle" Pole Lima Bean. Is the greatest Pole Lima nature has ever supplied. The largest podded, largest seeded, heaviest yielder, and most perfect Pole Lima that is grown. The mammoth pods measure 7 to 8¼ inches long, and 1½ to 2 inches in width. The vigorous growth of the vines will train rapidly over an arbor, and it is worth seeing the massive pods hanging in great clusters. You will really enjoy growing the "Emerald Isle"; it is early, fine flavor, and bears abundantly until killing frost. We want to supply you with our stock. Order at once. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.60; bu. $9.25.**

579. King of the Garden. Its vine has a luxurious growth which abounds with large pods, often 6 to 8 inches long, and filled with 5 or 6 perfect beans to a pod. These beans are large and luscious and remain green when dry. Medium early in season. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $9.00.**

Bolgiano's Evergreen Pole Limas

BEANS—Pole Limas (Continued)

Pole Limas

10577. Carpenteria Pole Lima. A most desirable pole lima for the home and market garden. The vines are strong growing and vigorous, producing an abundance of fine, large, medium green pods, 5 to 6 inches long, usually closely filled with four beans of largest size, much thicker than the average pole lima. The color is distinctive in having a decided greenish tint, an indication of very finest quality. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $9.00.**

580. Early Leviathan. One of the best early variety in cultivation. Vine very tall and strong; pods long and borne in clusters; beans large and white. It is early strong-growing and prolific. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $9.00.**

576. Siebert's Early Lima. Pods are medium green, large, flat, about 5 inches long, moderately curved. The green shell beans are very large, very tender and of finest quality. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $9.00.**

574. Improved Challenger. This is the potato pole lima, the beans being about the same size and shape as Fordhook. It is an early type, of delicious flavor and quite popular among home and market gardeners. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $2.80; bu. $10.25.**

510. Carolina or Sieva. In the south this is familiarly known as the "butter bean." It is very early, vigorous and productive. The seeds are small and white but of good flavor. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.40; bu. $8.50.**

INOCULATE ALL LEGUMES WITH NITRAGIN The Original Legume Inoculator

NITRAGIN FOR GARDEN USE

Every garden needs Nitragin; garden size is for Peas, Sweet Peas, and Beans, including Lima (3 in one Inoculent.) Price..... 25c

MANGEL-WURZEL BEET For Cattle Feed

Postage Paid. Four Pounds to Acre.

97. Improved Sugar Beet. Large growing sort; rich in sugar, hardy and very productive. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

53. Golden Tankard Yellow-Flesh Mangel. Deep yellow-fleshed, of milk-producing quality. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

49. Giant Mangel-Wurzel. The heaviest cropper, of mammoth size; fine quality. **Oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

204. New Jumbo Mangel. For milch cows and cattle generally. The New Jumbo Mangel has no equal. It is a milk-producer of the highest quality. **Oz. 10 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

BROCCOLI

235. Broccoli Italian Green Sprouting or Early Green Calabrese. ("Best in Garden" Variety.) Rapid Growing. Produces a large head at center of plant in about 90 days from date of planting. Resembles cauliflower only in shape or formation as the color is dull bluish green. After the center head is removed, the plant produces many branches, each bearing smaller terminals and lateral heads which are as fully desirable as the first heads produced. If these heads are gathered as soon as they become large enough for use, the plant will continue to produce for a period of from eight to ten weeks. If served in the same way as asparagus makes a very tasty dish fully equal to cauliflower. Sow in the Spring, Summer or Fall and cultivate same as cauliflower. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50, postpaid.**

Italian Green Sprouting Broccoli

168. Salad Broccoli. This is the type that is grown nearby, usually in Maryland, Delaware and Virginia. Yields an abundance of excellent salad greens. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

SWISS CHARD, or SPINACH BEET

The leaves make splendid greens when cooked like Spinach, and the leaf stalks are particularly palatable if prepared in the same manner as Asparagus. The culture is the same as for Beets, and it can be grown throughout the entire summer.

145. Large Ribbed White

Produces broad white leaf stalks. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

214 Lucullus.

Plants growing 2 to 2½ feet tall with many creamy white curled leaves carried on broad, thick stalks. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

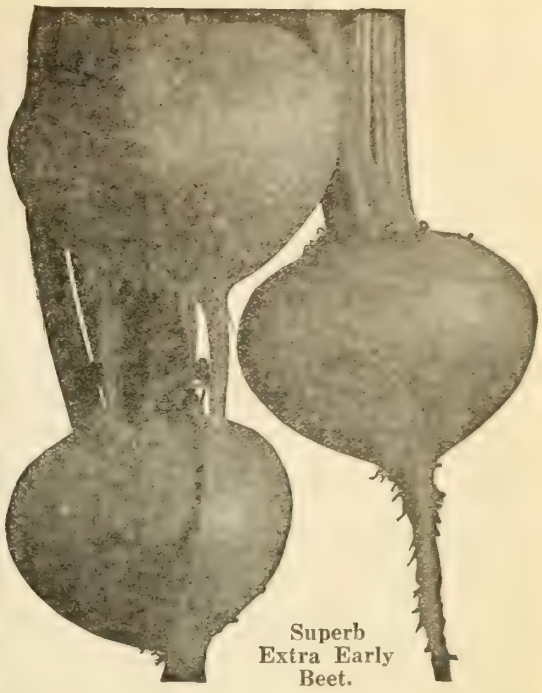
Swiss Chard.

1 ounce to 50 feet of drill **BEETS** 5 to 6 pounds to the acre.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

CULTURE. Our beet seed is grown from selected transplanted roots and have given truckers and market gardeners, who appreciate a high standard of perfection, the utmost satisfaction. The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills 1 foot apart and 1 inch deep, as early as the ground can be worked. When the plants are large enough, thin out to stand 6 inches apart in rows; continue sowing for a succession as late as the middle of August. Keep well cultivated.

The early varieties mature in 50 to 60 days; the midseason and late varieties require 70 to 100 days. Beets can readily be kept for winter use by packing them in slightly moist earth and storing in a cool cellar.



Superb Extra Early Beet.

218. Bolgiano's Extra Early Superb. **("Best in Garden" Variety.)** Has taken the lead among early turnip-shaped Beets entirely by superior merits of everything pertaining to a Beet to make a recognized leader. It is very early, indeed; it is 8 to 10 days ahead of any other early sort now offered. The shape is uniformly perfect, being entirely free from fibrous side roots, which are so objectionable; in fact, it is the smoothest Beet within our knowledge. The flesh is a rich, dark blood-red, tender, crisp, and deliciously sweet, besides having a very small top; is an ideal variety for bunching. Will produce a good crop inside of seven weeks from sowing. Is excellent as a forcing sort or as a main crop. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

10103. Bolgiano's Deep Blood Beauty. Our long experience in the growing of Beets has shown this strain of Beet to be one of the Best Extra Early Deep Blood Turnip Beet. Roots are globular and peculiarly smooth; color is of blood red, very crisp, tender, fine-grained and sweet, remaining so for a long time. We believe our excellent new stock will produce a crop uniform in shape, color and of superior quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

45. Wonderful Early Spring. Extra quick in maturing, small tap root, small tops, deep dark red color, fine-grained flesh; a splendid variety for early market. Grown in hot beds, cold frames or open ground. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

108. Bolgiano's Extra Early Eclipse. It is valuable for home gardens and indispensable for market gardens. It is remarkable for very rapid growth, the perfect flesh, and for its dwarf foliage. Roots bright, glossy red, very fine grained. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 95 cts.**

103. Detroit Dark Red. One of the best deep red Turnip Beets for market gardeners or home use. Its small upright-growing tops, early maturing, and fine globular shape and color of the roots make it very popular with every one who plants it. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.15.**

68. Long Smooth Blood. We recommend this Beet to be of great value. Its roots are of an attractive shape, its flesh is dark red and very tender and sweet. As a fall and winter beet it has few equals. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

Early Blood Turnip Beet.

125. Crosby Extra Early. A very superior strain of blood-red Egyptian, carefully selected for years by Mr. Crosby, a noted market gardener, whose aim was to secure a perfect forcing variety. The results obtained were handsome form, good size, few small tops, very small tap root, fine quality, and, above all, quick, rapid growth. The shape is very desirable, not flat like the ordinary Egyptian, nor so round as Eclipse. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.15.**

142. Nutting's Early Gem. One of the best and earliest beets for growing either out of doors or under glass. The shape is very desirable. Perfectly smooth. Color dark. Quality unsurpassed. The foliage is scant. An excellent all-season beet. Just the kind for Market Gardeners. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.15.**

93. Extra Early Bassano. This Beet is sometimes called Philadelphia Sugar Beet. Root large, turnip shaped; come very early, and are very sweet and tender; flesh bright light red. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

127. Early Blood Turnip. A bright red, medium early beet of very good quality for home or garden use. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 95 cts.**

PLEASE REMEMBER
"Best in Garden" Varieties

These do not in every case represent our latest introductions, but they do represent those varieties that stand out conspicuously in any garden as the "Best in the Garden." You are playing safe by planting liberally of these varieties.

CABBAGE

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

One ounce of seed produces about 2,500 plants.
Four ounces will grow enough plants to set an acre.

CULTURE. For very early use sow in January or February in hotbeds; put out when the plants are strong enough into other hotbeds, or sow in cold frames in March; transplant, when danger from killing frost is past, to open ground in rows 2 feet apart and 18 inches in the row. For a succession sow in the open ground the last of March or early in April. The autumn and winter varieties sow in April or early in May, in shallow drills, 3 or 4 inches apart; transplant early in July in rows 2½ feet apart and 2 feet in the row. Cabbage succeeds best in fresh, rich soil, well manured and deeply dug or plowed.

Extra Early Varieties

80. Jersey Wakefield Selected Stock. Here is the earliest pointed head cabbage. Our selected stock produces few outer leaves and has medium sized, solid heads which mature all at one time. **Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

122. Big Winner Wakefield. No other cabbage of which we have knowledge has aroused such enthusiasm among cabbage growers as has our "Big Winner." It has the same general characteristics of other Wakefield Cabbages, the head being conical with a rounded or blunt point. It is, however, far superior to other strains of Wakefield Cabbage, being nearly double the size and better quality, and at the same time is fully as early. It has few outer leaves, permitting close planting. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

105. Large Charleston Wakefield. True Long Island grown. About 5 to 10 days later than Early Jersey Wakefield; the heads are fully one-half larger and can easily be planted 20 inches in the rows. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

128. Bolgiano's Early Large York. This is a very valuable early variety, and follows the Express in heading. The heads are round, heart-shaped, and very firm. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

299. Golden Acre. This is a new, early, round-headed cabbage which closely resembles Copenhagen Market in type. It is eight to ten days earlier than Copenhagen Market but is smaller and can be planted closer. Because of its earliness and fine quality it commands a higher price than any round-headed cabbage. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00, postpaid.**

New Early Cabbage

Large Charleston Wakefield Cabbage

Early Varieties

117. Bolgiano's New Early Cabbage. **("Best in Garden" Variety.)** Has gained its present pre-eminence among vegetables through merit alone. We would not wish you to think it the earliest cabbage offered, for in season it follows the Wakefields. It is in production and quality, however, that we find it excelling other market varieties. The immense hearts develop with remarkable rapidity and are noticeable for the very small growth of outer spreading leaves, making it possible to grow more New Earlies to the acre than other more spreading sorts. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50, postpaid.**

333. Copenhagen Market. The heads average about 10 pounds each in weight, are very solid and of fine quality. It matures as early as Charleston Wakefield, and will give a heavier yield per acre than that well-known variety. The plant is short-stemmed, the leaves always tightly folded. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

129. Allhead Early. This cabbage is considerably larger than Early Summer Cabbage. The deep flat heads are remarkably solid and the most uniform in color, form and size. It is really an all-the-year-round Cabbage, being equally good for winter if seed is sown about August. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.85.**

160. Early Flat Dutch. The heads are large and solid. It is early. A favorite of home and market gardeners. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.85.**

182. Glory of Enkhuizen. This cabbage is a good second early, round solid headed sort. It is somewhat larger than Copenhagen Market, but later in maturing. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

115. Succession. True American grown. Matures ten days later than Early Summer and is larger in growth. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.85.**

101. Improved Early Summer. A superior second-early sort; produces large and solid heads of finest quality; popular in the South. Selected stock. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.85.**

141. All Season. Will do to plant at any season of the year, with assurance that the crop will be fine, large heads, and in every respect give satisfaction. It grows large. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.85.**

CABBAGE—Continued

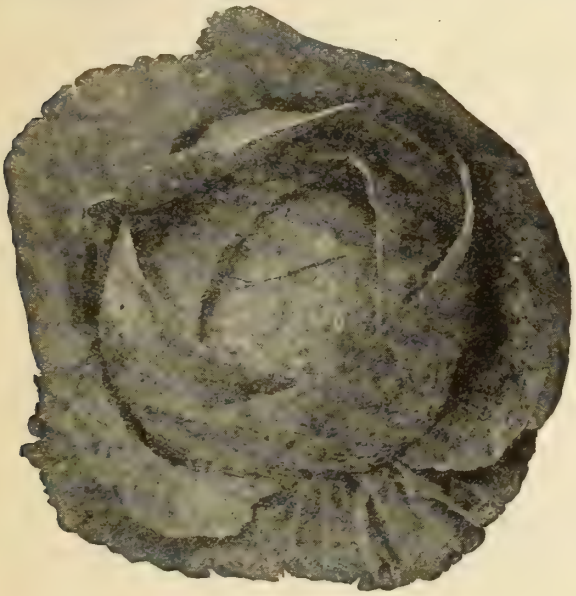
Prices Include Postage on Pkt., Ozs., ¼ Lbs. and Lbs.

Late, Fall and Winter Varieties

The possibility of having green food during the snowy months is realized by growing fall cabbage and storing it for winter use. The varieties which we list below produce hard heads that will keep well when properly stored.

315. Wisconsin All Season (Yellows or Wilt Resistant Strain). Selected from All Season. Highly resistant to yellows or wilt. Type similar to All Season Drumhead shape. Short stem. Seldom bursts. Heavy yielder. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50, postpaid.**

336. Wisconsin All Head Select (Yellows or Wilt Resistant Strain). This variety has been bred for resistance to the cabbage yellows or sometimes called wilt and is very valuable where the cabbage crop is likely to suffer from this disease. A heavy yielding type selected from All Head Early. The heads are large, spreading and have a remarkably solid heart. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4.00, postpaid.**



Extra Large, Late Flat Dutch

89. Extra Large Flat Dutch. This is an old favorite and standard with all gardeners and truckers. Its large size, solidity, uniformity and good keeping qualities make it most valuable for a late crop. Our strain being a quick maturing type will aid the grower to avoid trouble from pests. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.85.**

233. Bolgiano's Superior Stock Large Late Drumhead. This splendid Cabbage produces enormous heads and is an all-head Cabbage. Its good keeping quality makes it a first-class sort to carry over winter or for long distance shipping. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.85.**

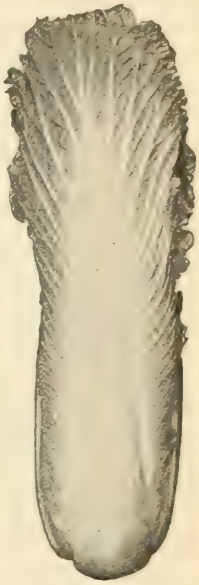
329. Danish Roundhead. A late variety, but matures earlier than the Danish Ball Head. The heads are round and have a short stalk, and for solidity is ahead of all others. The interior leaves are pure white and of sweet flavor. It is a healthy variety and able to stand hot weather and resist disease. Danish grown. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

124. Drumhead Savoy, Bolgiano's Improved Perfection. This is the strain that surpasses them all for uniformity of heads, a beauty of curl, large size and superior keeping qualities. Its great vigor recommends it as a reliable crop for home and market growers. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25.**

281. Mammoth Red Dutch. The largest red cabbage and heads very solid, and is deep red color to the very center. No Cabbage is better for boiling or for slaw, and its beautiful red color specially fits it for pickling. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

Pe-Tsai, Chinese or Celery Cabbage

This Chinese vegetable has become very popular in many large cities. The Chinese Cabbage is very easily grown, and in fairly rich soil quickly produces handsome heads resembling Cos Lettuce. It is apt to bolt to seed during hot weather, therefore best results are obtained by sowing seed the latter part of the summer (August 1st to 15th) and having plants stand about 15 inches apart in the rows. Heads are easily blanched and may be used as a salad or boiled like cabbage. Plants are rather tender and will not stand frost.



Pe-Tsai, or Chinese Cabbage

216. Pe-Tsai, Chinese or Celery Cabbage. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25.**

250. Wong Bok. Slightly earlier than Pe-Tsai and shorter, producing very hard heads of splendid quality for salads or slaw. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

Perfection Brussels Sprouts

BRUSSELS SPROUTS

Brussels Sprouts look very much like little heads of Cabbage, and growing closely on the stalk a single plant produces a great many from the ground level to the tip. The plants are very hardy and may remain outdoors during the winter in many locations. The quality and flavor of the sprouts are much improved by frost. Seed should be sown the same as it is customary to sow for late cabbage.

290. Perfection. Grows about 2½ feet high. Very productive. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

191. Paris Market. This is much dwarfer than the preceding and bears a large crop of handsome sprouts. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

FROST PROOF CABBAGE PLANTS

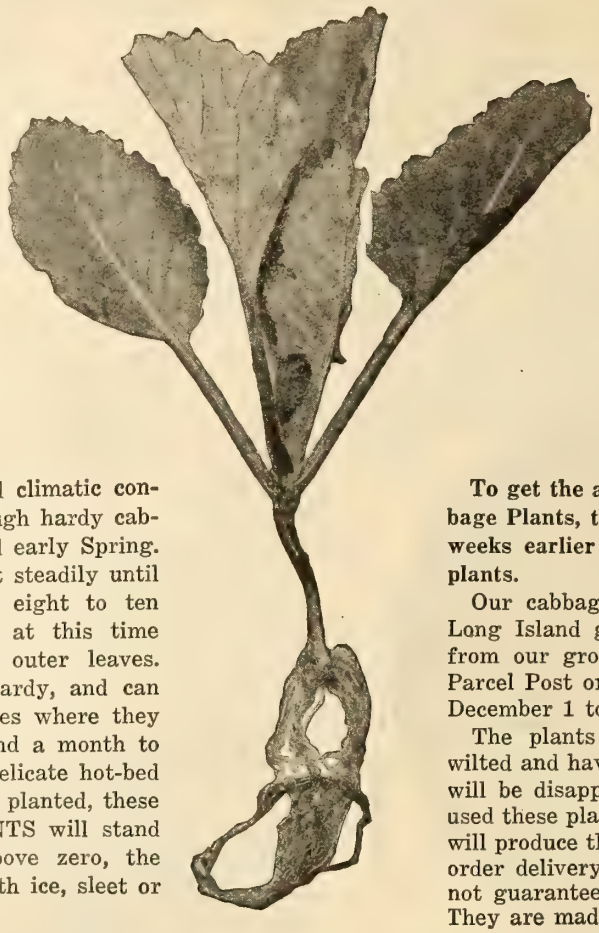
READY FOR IMMEDIATE DELIVERY

WILL DOUBLE YOUR PROFITS

Mature Heads Two to Three Weeks Earlier Than Your Home-Grown Plants

Whether you wish to reduce the High Cost of Living by increasing the production of your home garden, or whether you desire to command the high prices that come to those who market their truck crops before the season opens, you can hardly afford to do without our FROST-PROOF CABBAGE PLANTS. You may not be familiar with these plants, and for this reason we will tell you why our claim of Frost-Proof is well founded.

In the famous Sea Island Cotton growing region of South Carolina there is found a soil and climatic conditions just suited for growing tough hardy cabbage plants during the Winter and early Spring. Here the plants develop slowly but steadily until they are ready for shipment at eight to ten weeks of age, having developed at this time purple buds and reddish brown outer leaves. They are then very tough and hardy, and can be shipped north for long distances where they may be planted in the open ground a month to six weeks sooner than the more delicate hot-bed or cold-frame plants. After being planted, these FROST-PROOF CABBAGE PLANTS will stand a temperature of 20 degrees above zero, the land freezing, or being covered with ice, sleet or snow, without injury.



Although the roots grow from the time they are planted, the tops of the plants do not start until regular Spring weather opens up, at which time the established root growth takes up the fertilizer in the soil and the plants grow very fast, maturing headed cabbage two to three weeks sooner than you can mature them from hot-bed or cold-frame plants. You know what the difference in profit will be if your crop is matured and marketed before the general crop from home plants is matured; but,

To get the advantage of these Frost-Proof Cabbage Plants, they must be planted a month or six weeks earlier than you would plant home-grown plants.

Our cabbage plants are grown from the best Long Island grown seed, and are shipped direct from our growing station in South Carolina by Parcel Post or Express. We can fill orders from December 1 to May 1.

The plants when received will be somewhat wilted and have a hard stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of this, they will produce the crop results. We guarantee good order delivery on parcel post shipments. We do not guarantee delivery on shipments by express. They are made at the purchaser's risk.

Early Jersey Wakefield, Charleston Large Type Wakefield Succession, Early Flat Dutch

Prices by parcel post, postage prepaid: 100 to 400 plants at 50 cts. per 100; 500 for $1.60; 1,000 or more for $3.00 per 1,000 plants.

Prices by express, buyer paying charges: 1,000 to 4,000 at $1.25 per 1,000 plants; 5,000 to 8,000 at $1.10 per 1,000. Plants are packed for parcel post shipment—100, 200, 300, 400, 500 or 1,000 plants to the package; for express shipment— 1,000 or 2,000 plants to the package. Order only in these quantities. We pack only one variety to the package. They weigh about 20 pounds per thousand plants, packed for shipment.

TERMS: Cash with order. No plants shipped C. O. D. We advise that you have all shipments of one thousand plants or less sent by parcel post. They make quicker time and are delivered direct to you by the mail carrier. On larger lots inquire of your express agent what the charges will be. To a great many points the parcel post rates are as low as express rates. When rates are near the same always order by parcel post, as time and service are better.

COLLARDS

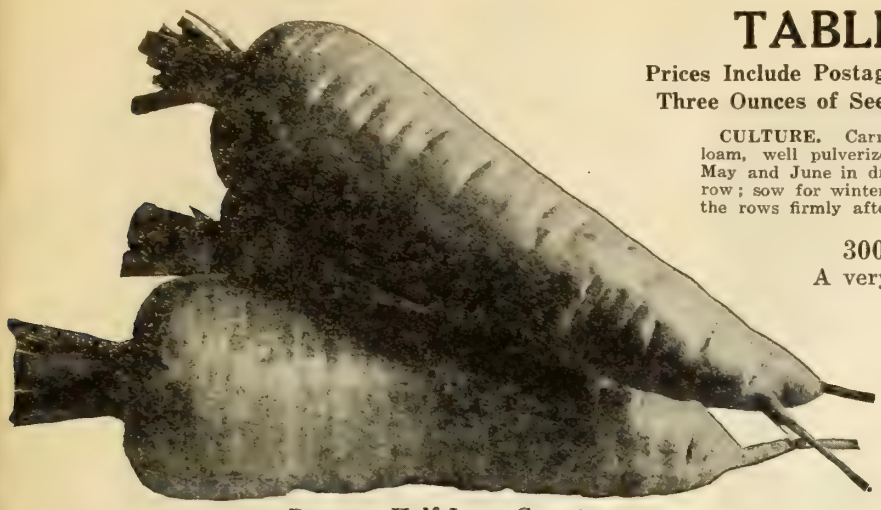
A great many people look upon the lowly collard, or "Georgia Cabbage," as some jokingly refer to it, as something not worth while growing. Now there are thousands of collard patches scattered over the South, and most Southern people like them. The collard is an old-time favorite, adapted to all parts of the South, and as a producer of "greens" for boiling in winter and spring it has no equal. It will pay you to have a collard patch just to give your cows an occasional taste of "green stuff." Sow any time up to September 1st.

211. Southern or Georgia. This variety is the old-time favorite. Stands all sorts of adverse conditions without injury. It is very hardy, standing winters as far north as Atlanta. In many places where the soil is too poor to grow cabbage, the collard grows easily and makes a good substitute for cabbage. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

TABLE CARROTS

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.
Three Ounces of Seed to 100 Yards; Four Pounds to the Acre.

CULTURE. Carrots, to grow to perfection, require deep, rich, sandy loam, well pulverized and deeply cultivated. For an early crop sow in May and June in drills about 1 foot apart, thinning out to 4 inches in the row; sow for winter crop in June and July. It is very important to tread the rows firmly after sowing the seed.



Danvers Half Long Carrot

300. Early Golden Ball or French Forcing. A very desirable variety for forcing and also supplying early roots for open ground. The small round roots measure about 1½ inches in diameter, are smooth, tender and of good flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. $1.35.**

161. Half Long Stump-Rooted Nantes Strain. One of the most popular sorts. The half-long roots measure 6 inches long by 1½ inches in diameter. Flesh tender and sweet; color rich orange. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

222. Early Rubicon Carrot. ("Best in Garden" Variety.) A half long Orange, stump-rooted Carrot, of a beautiful deep-red orange color. It is earlier than Danver's, about the same length, but heavier and thicker at the shoulder, making it more productive. It is a wonderfully heavy cropper, producing 3 to 4 tons to the acre under good culture. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

87. Danver's Half-Long Orange Pointed. A handsome cylindrical-shaped carrot of good size. It is of rich, dark orange color, grows to a large size, is smooth and the flesh very close in texture, with little core. It is a first-class carrot for all soils, and it is claimed that under good cultivation it will yield the greatest weight per acre with the smallest length of root of any now grown. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

100. Nichol's Long Orange Improved. One of the most desirable either for garden or field culture. It grows to large size, fair specimens average 12 inches in length and 3 inches in diameter at the top. All who have cattle should raise a surplus of this carrot for feeding milch cows during the winter. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

166. Henderson's Intermediate. One of the best main crop carrots. It is noted for its smoothness of shape, its tenderness of flesh and beauty of color. It is free from any coarse, rank flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

134. Ox-Heart Selected Stock. Thick carrot, 5 inches long and very blunt at the lower extremity. It grows very rapidly and the roots attain a weight of more than a pound. It is tender, and of deep red color, and is a variety we can recommend to all market gardeners. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

347. Chantenay, or Model. Broad stump roots measure 5 inches long and 3 inches in diameter at shoulder. Roots are smooth, flesh tender and fine grained; color deep orange. A most popular variety in all markets. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25, by mail postpaid.**

338. Coreless Chantenay. This strain of chantenay is quite free from the ordinary yellow core pronounced in most carrots. It is a decided improvement over the old type, being particularly attractive when sliced for eating as an uncooked vegetable. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

CHICORY

Early Rubicon Carrot

271. Witloof (French Endive). Witloof Chicory is used principally as a winter salad. The seed should be sown in the open ground not later than June. The plants form large parsnip shaped roots which are lifted in the fall, trimmed of leaves and stored in soil in a cool place until wanted for forcing. The roots can be forced in any warm cellar or room, requiring about one month to make edible sprouts. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

CORN SALAD

One ounce will sow about 18 square feet and six pounds will sow an acre.

112. Broad Leaved (Large Seeded). Delicious salad used during the winter and spring months as a substitute for lettuce, and is also cooked and used like Spinach. Sow in spring in drills 1 foot apart. It will mature in six weeks. For early spring use sow in September and winter over like Spinach. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

BIRD SEED

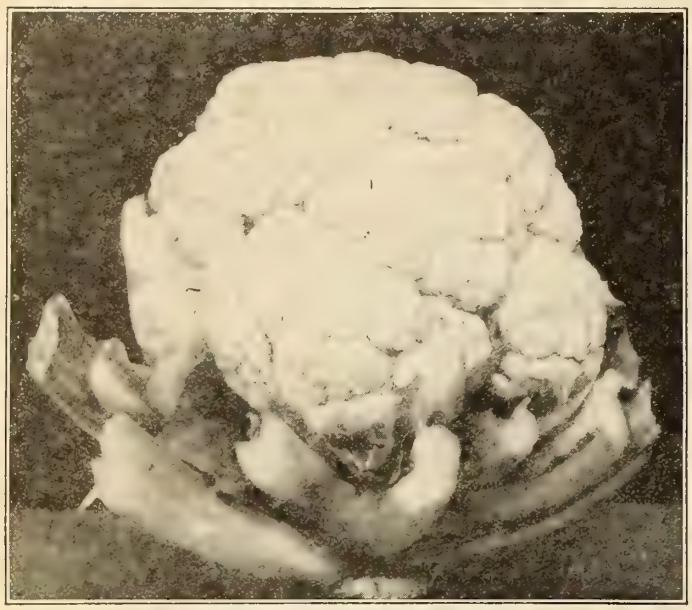
219. Canary Seed. Lb. 20 cts., postpaid.
217. Bird Rape. Lb. 15 cts., postpaid.
221. Hemp. Lb. 15 cts., postpaid.
506. Sunflower Seed. Lb. 18 cts., postpaid.
223. Millet Seed. Lb. 15 cts., postpaid.
MIXED BIRD SEED—20 cts. lb., postpaid

Chantenay Carrot

CAULIFLOWER

One Ounce Will Produce About 2,000 Plants

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.



The Twentieth Century Cauliflower

Cauliflower, although one of the most delicious vegetables, is but little grown except by professional gardeners because of the erroneous notion that it is so difficult to grow that only the skilled gardeners can produce it. Any one will be reasonably sure of success with this most desirable vegetable if the culture directions given below are carefully followed.

CULTURE. Sow the seed in a hotbed in January or February, and when the plants are large enough transplant three inches apart in boxes or in other hotbeds until time to plant out. If hardened off they are seldom injured by planting out as early as the ground can be properly prepared, 2½ feet apart each way. Keep them well hoed and bring the earth gradually up to their stems, watering freely in dry weather and especially when they begin to head. Cauliflower succeeds best when planted in frames at the close of winter and brought to maturity before the summer heat sets in. The late varieties mature in the autumn and are sown and managed similar to winter cabbage.

273. Early Snowball Cauliflower. ("Best in Garden" Variety.) The seed is from our selected imported stock, grown for us by the best grower in Europe. This Cauliflower, the most widely known of them all, may be planted early in the spring or late in the fall. It is of dwarf, compact growth and produces pure-white solid heads of large size and excellent quality. The long pointed leaves protect the curd from the sun. Early Snowball matures in ninety or a hundred days under favorable conditions, and its earliness and large size make it most desirable. We feel sure that if you once try this seed you will have no other. **Pkt. 10 cts.; ¼ oz. 55 cts.; ½ oz. $1.00; oz. $1.75; ¼ lb. $6.00.**

334. Extra Early Dwarf Erfurt. A remarkably sure heading early Cauliflower. It is of dwarf habit with short outside leaves similar in most respects to Early Snowball, and nearly as early. The heads when ready for market are medium to large size. The curd is white, exceptionally deep and of finest quality. It will give excellent results either in the home garden or for market use. **Pkt. 10 cts.; ¼ oz. 55 cts.; ½ oz. $1.00; oz. $1.75; ¼ lb. $6.00.**

289. Autumn Giant. It is very late in maturing and while of firm texture heads or curds are not so well formed nor so tight as those of the earlier varieties. **Pkt. 10 cts.; ½ oz. 25 cts.; oz. 40 cts.; 2 ozs. 70 cts.; ¼ lb. $1.25; lb. $4.50.**

282. The Success. With the introduction of The Success, we feel many gardeners may now prolong their growing season. It forms firm, large curds or heads, pure and white in color, and always solid and firm. **Pkt. 10 cts.; ¼ oz. 55 cts.; ½ oz. $1.00; oz. $1.75; ¼ lb. $6.00.**

243. Danish Giant or New Dry Weather Cauliflower. Will produce splendid crops in very dry locations. **Pkt. 10 cts.; ¼ oz. 55 cts.; ½ oz. $1.00; oz. $1.75; ¼ lb. $6.00.**

252. The Twentieth Century. Where other cauliflower fails, gardeners should try this strain. The heads are all large, and every plant will make a head when the conditions are right. In Long Island, N. Y., this strain has given the best satisfaction. The heads are compact and white, weighing more than any other sort. The outside leaves are smaller than other varieties; for this reason it can be planted closer, thereby getting a greater number of heads to the acre. It is the earliest and makes big money for the grower. **Pkt. 10 cts.; ¼ oz. 55 cts.; ½ oz. $1.00; oz. $1.75; ¼ lb. $6.00.**

CRESS

CULTURE. Sow thickly in shallow drills every 2 or 3 weeks. It should be cut often, and it will continue to grow. It is useful not only for salad, but for the breakfast table and for garnishing. True Water Cress should be sown in damp soil; or if a stream of water can be utilized they will be much finer. They will also thrive well in damp hotbeds. Rightly managed, their culture is very profitable. To obtain early salad, it is a good plan to sow with Water Cress seed a strip 4 inches wide on the outer margin of a hotbed, inside the frame, where it is always cool.

270. True Water. It thrives when its roots and stems are submerged in water. It is one of the most delicious of small salads. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

137. American Upland. Largely used for pork salad; has a delicious pungent taste. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

187. Pepper Grass. The seed should be sown in drills about 16 inches apart on very rich ground, and the plants well cultivated. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

ENDIVE

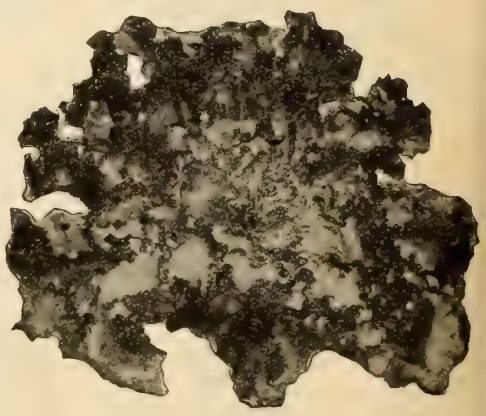
One Ounce Will Sow 150 Feet of Row.

Endive is one of the best salads for fall and winter use. Sow for an early supply about the middle of April. As it is used mostly in the fall months, the main sowings are made in June and July. Plant one foot apart each way. When the plant has attained its full size gather up the leaves and tie them by their tips in a conical form. This excludes the light and air from the inner leaves until blanched.

43. Green Curled. Self-blanching. The best in cultivation. Much more beautiful and ornamental than the old sort. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

285. White Curled. As the color of the leaves is a light golden yellow, little or no blanching is required. Very easily grown, and plants may be gathered for use at any time. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

198. Escarole, or Broad-Leaved Batavian. Leaves a pale green; requires very little blanching. More productive than green curled. Forms large heads of broad, thick leaves. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**



Broad Leaf Batavian Endive

Golden Self-Blanching Celery

CELERY

Prices Include Postage on Pkts., Ozs., ¼ Lbs., and Lbs.

One Ounce Will Produce About 3000 Plants, and Sow About 200 Feet of Row

CULTURE. Sow the last of March or early in April in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. Cut the tops off once or twice before planting out to make them stocky. When the plants are 5 or 6 inches high transplant the dwarf varieties 5 feet and taller sorts 4 feet between rows; plant 6 inches apart in the row. Cultivate well, and when large enough blanch by earthing up. The first operation is that of "handling" generally done the beginning of September. After the soil has been drawn up with a hoe, it is drawn closer around each plant by hand to keep the leaves firm in an upright position and prevent spreading. When the plants have become "set" in an upright position and the celery is wanted for early use, they should be "banked."

94. Golden Self-Blanching. **Bolgiano's Special Strain.** Very early. Largely grown by market gardeners as well as home gardeners. The beautiful appearance of the plant, with its close habit, compact growth and straight, vigorous stalks, is faithfully shown in the illustration. The ribs are perfectly solid, crisp, brittle and of delicious flavor. It is self-blanching to a very remarkable degree, for without banking up or any covering whatever, even the outer ribs become a handsome, fresh, yellowish white color. The heart is large and solid and of a beautiful, rich, golden yellow color. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4.00.**

308. Easy Blanching. This splendid new variety is dwarf and compact in habit; light green foliage. It is very easily blanched and might be termed second early, following Golden Self-Blanching. For winter and spring use, it is a splendid keeper. The flavor is first class, while the stalks are pure white, heavy and crisp. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

135. Bolgiano's Golden Heart. This is the old standard sort which has satisfied gardeners these many years. It is crisp, solid, handsome, the most excellent flavor, with a beautiful golden heart. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

150. Bolgiano's Sweet Nut Celery. For home gardens and nearby markets Bolgiano's New Celery "Sweet Nut" is a delicious, sweet, nutty, crisp celery. It is absolutely solid, a most excellent winter keeper, of vigorous, sturdy growth, making fine, large, solid stalks, with a large, full, creamy-yellow heart. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

264. Giant Pascal. The stalks are very large, thick, solid, crisp and a rich nutty flavor, free from any taste of bitterness. Blanches very easily and quickly and retains its freshness a long time after being marketed. The heart is a golden yellow, very full and attractive. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

67. Flavoring Celery. Cannot be used for growing purposes, but is an excellent spice for soups, salads, etc. **2 ozs. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.**

AROUND THE YEAR IN THE GARDEN, by F. F. Rockwell. If you are busy and must use every minute of your time in the garden to the best advantage, this book will help you be more efficient. It is arranged in 52 chapters, each telling what to do in the garden every week of the year. It covers the vegetable garden, flower garden, roses, shrubs, berries, fruit trees, insects and diseases, vegetables for winter, pruning, and all other garden operations. 88 illus. 350 pages. **$2.50.**

192. Golden Plume or Wonderful. **("Best in Garden" Variety.)** A large, early celery of superior quality and appearance. Large, heavy stalks with a full solid heart of golden yellow. Easy to blanch, a good keeper and always of the crisp, brittle and nutty quality so much desired. Very resistant to blight and rot. Free from strings and hollow stalks. Ready for the table in about 110 days. We consider this the finest celery yet introduced. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50, postpaid.**

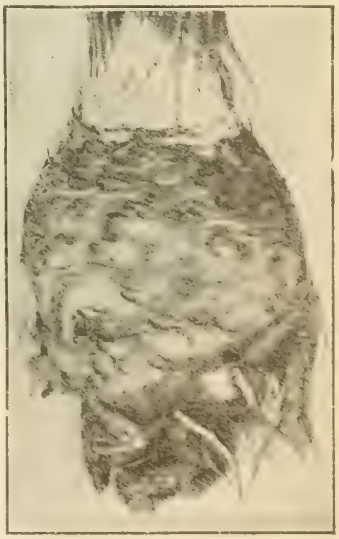
CELERIAC

(Turnip Rooted Celery)

This is constantly becoming more popular with gardeners owing to the fact that it is so much easier to grow than blanching celery. The large thick roots are very valuable boiled or used in soups, stews, and other dishes. Celeriac grows best in moderately moist well drained soils. They do well in almost any good garden soil and grow to perfection in cool seasons.

Start the seed in boxes indoors and when the seedlings are large enough to handle, transplant into the garden to stand about 8 to 10 inches apart each way. Use when the roots are moderately large size. They do not require blanching.

272. Large Smooth Prague. A new and quite distinct sort, the roots being very smooth, large, round. Of a very distinctive flavor, roots may be boiled or used in flavoring other dishes. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**



Large Smooth Prague Celeriac

Bolgiano's Extra Early Ideal Sugar Corn

SUGAR, or SWEET CORN

We Pay Postage on Seed Corn Ordered by the Pkt., Pt. or Qt. Only—Larger Quantities, Parcel Post, Freight or Express Charges Extra

Weight by Parcel Post—1 Peck Is About 15 Pounds. Parcel Post Rates See Page 2.

One Quart to 200 Hills; 8 to 10 Quarts to the Acre.

CULTURE. The Sweet or Sugar Varieties, being liable to rot in cold or wet ground, should not be planted before May or until ground has become warm; for succession continue planting every two weeks until the middle of July in rich, well-manured ground, in hills 3 feet apart each way, covering about ½ inch and thin out to 3 plants to a hill. The extra early varieties can be planted 18 ins. in a row and 2½ feet between rows.

Extra Early Varieties

564. Bolgiano's Extra Early Ideal Sweet Corn. We have never put out any corn that has given more satisfaction to the market gardener than the "Ideal"; it meets his every demand. Extra early, large ears, 8 to 10 inches long; has a mild, sweet flavor; very tender; vigorous grower, producing a wonderful crop of corn for the early market. Can be planted as early as the Extra Early Adams. Thousands of truckers and market gardeners are using the "Ideal" for early planting. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.75; bu. $6.00, ears 75 cts. doz.; not postpaid.**

559. Golden Bantam. One of the sweetest corns grown. It is a dwarf, medium early variety of exceptionally good quality. In all respects it is a gem—in size of plant, ear and grain. It is particularly well adapted to small gardens on account of its small size; to the more pretentious on account of its excessive cropping ability on a given area, and to all because of its superb quality and luscious satisfying flavor. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.85; bu. $6.50.**

560. Bolgiano's Extra Early Harvester. This is the best Extra Early White Sugar Corn that has ever been placed on the market. It is several days earlier than the "Golden Bantam," sweeter flavor, ears larger and pure white in color. It is a rapid grower, medium in height, large yielder, 3 to 4 ears to the stalk, 6 to 7 inches long. A wonderful corn for early home use. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.85; bu. $6.50.**

10559. Bolgiano's New Cream and Honey. **("Best in Garden" Variety.)** If you appreciate and enjoy the best things the garden grows, then start a patch of "Cream and Honey" Sugar Corn. Plant it the same time you do Extra Early Adams Corn; although it is a pure and true Sugar Corn it is so wonderfully hardy it will stand the hard knocks of early Spring. Rich, delicious, sweet flavor, beyond comparison with any other Sugar Corn; earliest of all Extra Early Table Corns, of wonderfully fine quality. Grows 4 feet high; ears 5 to 8 inches long and 2 to 3 ears to the stalk; can be planted quite close in the row. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.90; bu. $6.75.**

558. Adams' Extra Early. Largely grown for early market. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.65; bu. $5.60.**

563. Second Early Adams' Corn. Ears are all larger and later than Adams' Extra Early. **Pkt. 10 cts.; pt. 25 cts.; qt. 50 cts., postpaid; pk. $1.40; bu. $4.50.**

566. Golden Evergreen. A splendid variety to follow Bantam. The ears are larger and better filled. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.80; bu. $6.25.**

553. Howling Mob. This splendid flavored sweet corn grows 4 to 5 feet high, producing two good ears to the stalk, which measure 7 to 9 inches in length. In season this corn ripens about 4 to 6 days later than White Cory. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.75; bu. $6.00.**

561. Extra Early Evergreen. Ripens about 10 days earlier and is equally as good. It is a splendid variety to come in between the early and late sorts, and is destined to become popular. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.75; bu. $6.00; ears 75 cts. doz., not postpaid.**

IMPROVED SEMESAN, JR.

Possesses unusual properties for the disinfection of field and sweet corn seed against certain diseases which cause poor stands, blighted seedlings and unprofitable, barren and nubbin bearing stalks. Improved Semesan, Jr., preserves the seed against rotting in cold, wet weather, increases germination, invigorates seedlings' growth, develops sturdier plants, promotes earlier maturity, reduces lodging or down corn, improves quality and increases crop yield. It is used by dusting seed before planting. Full directions on each box. **4 ozs. 50 cts.; 1 lb. $1.50; 5 lbs. $7.00.**

GENERAL AND LATE CROP SUGAR CORN

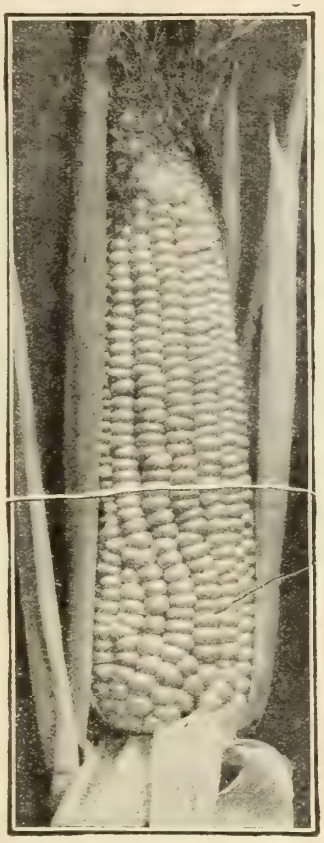
Sweet Corn Is One of the Most Nutritious and Healthful Vegetables Grown. It Is at Its Best When Picked Fresh Just Out of the Garden—Grow Your Own.

557. BOLGIANO'S LUCKY STRIKE SUGAR CORN

Lucky Strike matures in about the same season as Stowell's Evergreen. The ear is about as large in diameter, but from one to two inches longer. The grains are large and of such an excellent luscious flavor that it wins immediate approval. The entire ear is covered with heavy shucks of such a beautiful dark green color that this variety keeps a universally fresher appearance than others, which makes it command a higher price and quicker sales at market. We are looking for a heavy sale of Lucky Strike this year, and hope that all of our friends will put in their orders early, as we feel sure that our supply will not last through the season. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.85; bu. $6.50.**

568. Snow White Evergreen. The most valuable sweet corn for main crop. It has the ideal qualities of the Stowell's Evergreen Corn, only it is pure white, making it the most desirable late corn for market and home gardeners. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts.; postpaid; pk. $1.80; bu. $6.25.**

556. Black Mexican Sugar. Very sweet and tender when ready for table; grain is black. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $2.00; bu. $7.00.**



Stowell's Evergreen Corn.

565. Stowell's Evergreen. This is without doubt the most widely used of all the varieties, although not an early sort. It is very fine for table use. Our selected stock has been carefully guarded to insure the maintenance of a deep grain and to prevent deterioration of the evergreen character. It is well adapted for home or market growing and popular with canners. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts.; postpaid; pk. $1.75; bu. $6.00.**

567. Country Gentleman, or Shoe Peg. The deep shoe peg kernels are placed irregularly, but compactly, upon the cob. It is very prolific, generally bearing 3 to 5 ears to the stalk, and matures a little before Stowell's Evergreen, being sweeter and more sugary to the taste even than that well known standard of quality. **Pkt. 10 cts.; pt. 30 cts.; qt. 55 cts., postpaid; pk. $1.80; bu. $6.25.**

555. Rice Pop Corn. A very handsome variety: ears short; kernels long, pointed; very prolific; no variety of pop corn is superior to this for popping. **25 cts. per lb., postpaid.**

EVERY SEED GREW

I have used your seed for years and have always had good luck with them. It seems every seed I planted came up, so I will order my seeds from you again. Send catalog at once.

(Signed) MRS. JOE RENKA,
Washington County, Pa.

KALE, or BORECOLE

One Ounce Will Sow 200 Feet of Drill; 1½ Pounds to the Acre.

CULTURE. Kales are more hardy than cabbage, and make excellent greens for winter and spring use, being improved by frost. Sow from May to June and cultivate same as cabbage.

Curled Beauty or Blue Scotch Kale.

321. King of the Blues Kale. A grand new extra heavily curled, long standing kale. Hardy, compact and of a beautiful bluish-green color. Highest quality and very productive. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

121. Extra Dwarf Green Curled Scotch, or Norfolk. This is one of the best kales for spring sowing in the South for Northern markets. It is hardy and will remain over winter in any place where the temperature does not go below zero. The habit is very dwarf and spreading, and will rarely exceed 18 inches in height. The leaves are of dark green color, beautifully curled and produced in great abundance. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

76. Imperial Curly Long-Standing. A beautiful curled and crimped sort, of strong, vigorous habit; perfectly hardy, bright green color, and very attractive in appearance. It will stand longer without shooting to seed than any other variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 85 cts.**

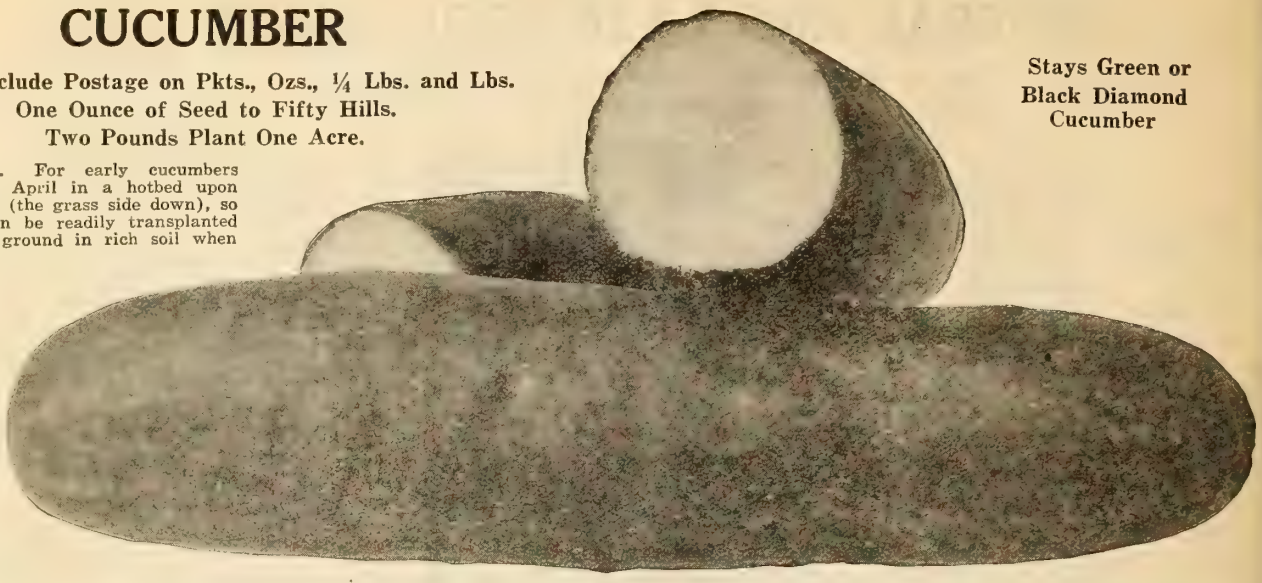
133. Curled Beauty, or Blue Scotch Kale. Distinct blue green color. Heavily curled. Lays flat on ground. Produces large heads. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

69. Tall Scotch. Grows about two feet high with abundant dark green very curly leaves. Very hardy. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

66. New American Long-Standing Extra Curled Kale. Beautiful green color, perfectly hardy. Will stand the coldest winters. Very tender and can be cut for the market from early spring until late in season. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

CUCUMBER

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.
One Ounce of Seed to Fifty Hills.
Two Pounds Plant One Acre.



Stays Green or Black Diamond Cucumber

CULTURE. For early cucumbers sow first of April in a hotbed upon pieces of sod (the grass side down), so that they can be readily transplanted to the open ground in rich soil when danger of frost is over or protect by hand glasses. For early use, if the weather has become settled and warm, plant in hills about four feet apart each way; thin out to 4 of the strongest plants to each hill after all danger from insects is over; they succeed best in warm, moist, rich, loamy soil; continue planting at intervals for a succession. The cucumbers should be gathered when large enough for use, whether required or not; if left to ripen it destroys the productiveness. For pickles, plant from June until the middle of July.

131. Bolgiano's Early Fortune. An excellent early cucumber for table, market or shipping purposes. In color, Early Fortune is a rich, attractive, deep green, which it retains during a much longer period of growth than most varieties. Its form is so regular and the size of all the fruits so nearly the same that growers marvel at the purity and trueness of the stock. The flavor is delicately refreshing, entirely free from bitterness, exceedingly crisp and brittle, making it an ideal slicing cucumber. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.15.**

169. Bolgiano's Prosperity. Intense, rich, deep green color retained longer than any other cucumber, the flesh sparkling white. An extra early white spine cucumber. Most refreshing and delightful flavor. Uniformly large, symmetrical fruit. Bears no culls. Vines are vigorous, healthy and mildew-proof. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

73. Arlington White Spine or Perfection. Dark, rich green color, and holds its color long after other sorts have gone yellow and become unsuited for the market. A crop of our stock of Arlington White Spine is sure to make trade for any market garden, and for home use it is superfine. As a shipper it has few equals. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

109. Davis Perfect. Equally good for hot-house or outdoor culture. It is ideal in shape, rich, dark green color, uniform and regular in size. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.15.**

309. Hybrid. Long, straight, attractive shape, with a very rich green color and a fine lot of showy white spines. Stays green for a week, making it a fine shipper. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.15.**

326. Imperator. A very productive, long deep green cucumber which holds its color well. Appears on the market fresh and unwilted which makes it a good market garden type, and is also very fine for the home garden. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.10.**

312. Stays Green or Black Diamond. ("Best in Garden" Variety.) The cucumber that stays green. An extra early of the White Spine type. Holds its dark green color as long as any variety we know of. It is adapted to all sections and soils. The fruit grows 7 to 8 inches in length, cylindrical in shape, smooth and handsome. The color dark green from end to end with little white rays at the blossom end. The flesh is white, firm, crisp and of the very best quality for slicing. The vine makes a vigorous growth and is an enormous yielder of dark, always green cucumbers. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.10.**

156. Long Green. It is vigorous and productive. The mature fruit is almost 12 inches long. The skin is a deep green, and the flesh is solid, crisp and of fine quality. Especially recommended for pickling. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

313. Snow's Pickling. An early maturing, very small, dark green cucumber, cylindrical, square ended, and very popular with the growers of small pickles. Meets in all respects the requirements of those who want an ideal bottle pickle. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

107. Jersey Pickle. Fine green color. Used for pickling almost entirely. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

251. Gherkin, or Small Bur. Grown exclusively for pickling. Always pick when young and tender. Seed slow to germinate, requiring from 10 to 12 days. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

KOHL-RABI

One Ounce Sows 300 Feet of Drill

CULTURE. Sow in spring, in rows 18 inches apart, afterward thinning the plants to 8 or 10 inches. If the weather is suitable, the thinning may be planted, but it is considered difficult to transplant. Keep the weeds down, and when the thickened stems above ground are 2 to 3 inches through they are fit to eat, and should be used at once, being tough when old. Cook like turnips.

310. Early White Vienna. When young and tender, and properly prepared for the table, it is almost equal to the cauliflower. Besides, it is a certain crop, requiring no more care or cultivation than a crop of cabbage. For a fall crop sow in June. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

EGG PLANT

1 Ounce Egg Plant Seed Will Produce About 500 Plants.

CULTURE. Egg Plant seed should be sown very early in hotbed; plants being very tender, must be protected from frost but exposed as far as practicable to light and air to harden them. Egg Plant seed will not germinate freely without a strong uniform heat; if they get the least chilled they seldom recover; therefore, repeated sowing is sometimes necessary.

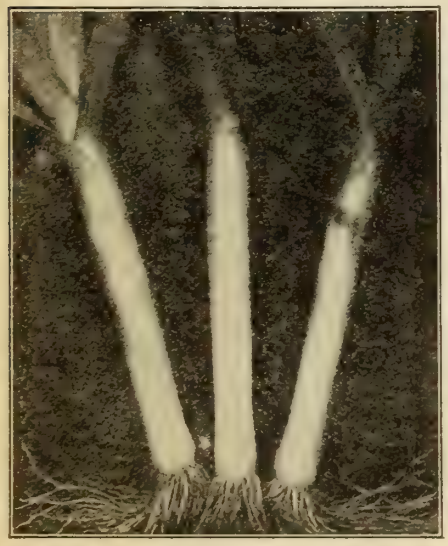
205. Black Beauty Egg Plant. ("Best in Garden" Variety.) The earliest and the best of all large-fruited Egg Plants. It is valuable alike to the private planter and the extensive grower for the market. Black Beauty produces fruits fully as large and ready for use ten days to two weeks earlier than the New York Improved Purple. The grand, large fruits are thick, and of attractive form. The skin is a rich lustrous purplish-black—the satin gloss and rich coloring adding greatly to its beauty. The intensely brilliant coloring is uniform over the whole fruit and does not fade or change to a lighter color. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50.**

339. Florida High Bush. Has proved of the greatest value to the Southern truckers and shippers. It is remarkable for its vigorous growth and productiveness; very hardy and will stand more cold weather than the New York Improved. The hot sun does not blight the blossoms. It grows from 3 to 4 feet high, erect and sturdy, free from thorns. Fruit is large, oblong in shape and purple; keeps its freshness and condition much longer than any other variety. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50.**

LEEK

One Ounce to Sow a Drill of 100 Feet

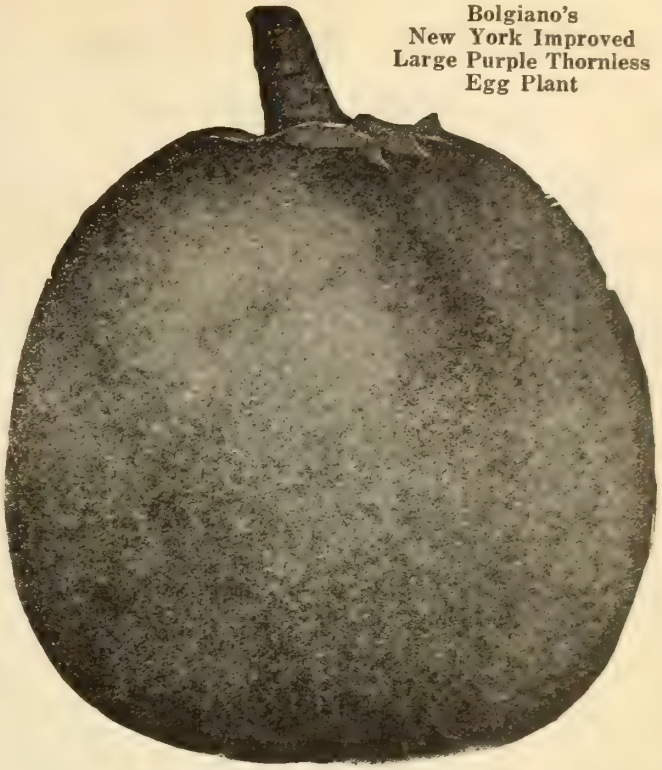
CULTURE. The Leek is very hardy, of easy culture, and succeeds best in a light soil. Sow early in April in drills 1 foot apart and 1 inch deep. When the plants are 6 to 8 ins. high transplant in a deep, rich soil in rows 12 ins. apart and 6 ins. in the rows, as deep as possible, so that the neck may be covered and blanched; draw the earth to them as they grow. The seed may also be sown in August or September, and the young plants transplanted in the spring.



Broad London, or American Flag Leek.

50. Extra Large Leek. It is the best. This mammoth leek is not to be compared with the old kinds. It grows much larger and is very handsome. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

236. Broad London, or Large American Flag. A very strong growing variety with large, thick stems of fine sweet flavor. One of the most popular varieties with large planters. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**



Bolgiano's New York Improved Large Purple Thornless Egg Plant

65. Bolgiano's New York Improved Large Purple Thornless. In shape, color and size this Egg Plant is perfection; its rich, glossy, dark purple color, its beautiful form and large size make it most attractive for the markets and for shipping. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50.**

LETTUCE, COS, or CELERY

(ROMAINE)

Cos Lettuce, or Romaine, as it is frequently called on some markets is not so generally grown as it should be in the United States. In the South, Cos Lettuce succeeds best during the early spring months, or late in the fall.

295. Eclipse or Express. Very early. The plants are of stiff, erect, compact growth, and attain height of about 6 inches. The leaves fold so neatly and tightly as to make tying up unnecessary. The head blanches to an almost pure white, and the leaves are always mild in flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

Cos Lettuce.

184. Trianon (Paris Self-Folding White.) Of rather tall growth and produces large conical shaped heads. The long leaves blanch an almost snowy white, and are usually eaten like celery, hence it is sometimes called Celery Lettuce. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

LETTUCE—Early Varieties

One Ounce Will Sow 200 Feet of Drill
4 to 5 Lbs. to Sow One Acre in Drills

CULTURE. Lettuce belongs in every garden, whether large or small. It is easy to grow, and grows to perfection in a rich, moist, cool soil. Sow the seed in hotbeds in February or March, transplant into a sheltering border with a southern exposure. For successive crops sowing may be made in the open ground as early as the spring opens and continuing until July. From 60 to 80 days are required to bring the crop to maturity. Always thin out well, or the plants will not be strong. When wanted as a cut salad, sow seed thickly in rows or broadcast.

58. Big Boston (Special Stock). Big, compact, tender and crisp, creamy-white heads. Whether grown in the open ground for summer and fall use, or in frames for spring, it invariably gives both grower and user the utmost satisfaction, producing during all seasons, under ordinary favorable conditions, splendid, large, buttery-yellow heads, packed with thoroughly blanched leaves, crisp, tender and sweet. Although "Big Boston" is one of the best large-heading midsummer lettuces, it is also peculiarly adapted for late fall culture. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

120. Unrivalled. A valuable variety. Early in maturing, a little earlier than Big Boston which it resembles in appearance and size of head. Pale green color shading to creamy white at the center of the head which is formed of closely wrapped, crisp leaves. Succeeds at all seasons. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

146. Golden Queen. One of the best first extra early head Lettuce for either open ground or frame culture, and a good forcer; medium size, solid, golden yellow heads, crisp and tender. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.35.**

342. Earliest Wayahead. Outer leaves are light green, inner leaves nicely blanched to a rich buttery-yellow tint; stands a long time before running to seed. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

Bolgiano's May King Lettuce

98. Early May King. Plants are of quick growth, practically all head and extremely handsome. From early spring plantings in the open ground they grow quickly to a diameter of 6 to 7 inches, with the broad, light-green outer leaves folding closely about the round solid head; in cool weather the edges of these outer leaves are lightly tinged with brown. The inner leaves (practically the entire head) are blanched into a rich golden yellow and have a specially fine, rich buttery flavor. The round solid heads are so firmly folded that they can be shipped to distant market and arrive in good condition. We recommend repeated plantings of this fine early variety in the spring, and again during August and September for fall use. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

324. Boston Market, or White-Seeded Tennis Ball. While of little or no value for outdoor planting, it is a splendid sort for growing under glass. Small hard heads. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

Loosehead, Cutting Varieties

350. Grand Rapids. This does not form heads, but makes large compact bunches of light leaves with fringed edges. Its delicious quality and handsome appearance make it most popular in winter markets of many Western cities. It is useful also for outdoor planting during spring and fall. Our stock is the best it is possible to produce. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

199. Early Curled Simpson, or Silesia. A standard old favorite. Produces early clusters of crisp golden leaves of fine quality. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

297. Black-Seeded Simpson. Recommended both for home and market gardens. The golden yellow curly leaves are crisp, tender and mild. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

Bolgiano's Special Stock Big Boston

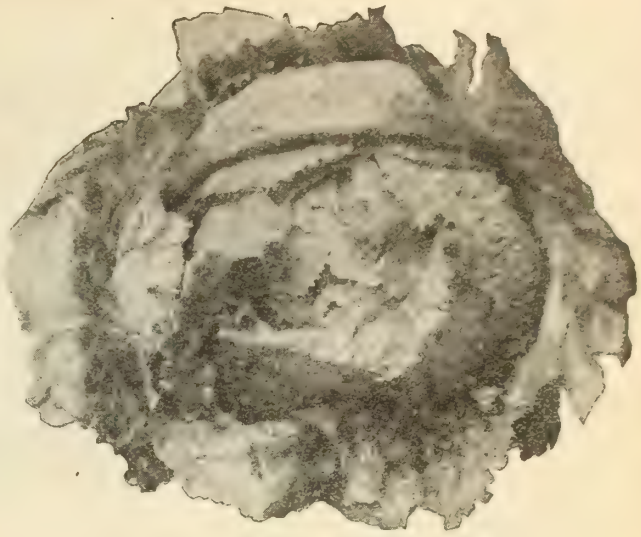
SPRAYING, DUSTING AND FUMIGATING OF PLANTS, by A. F. Mason. An invaluable handbook and reference for fruit growers, vegetable gardeners, nurserymen, and home gardeners. Tells what pests to expect and how to identify and control them, how to choose the right spray materials, how to select spraying and dusting machinery, and every other detail for the successful pest control of fruits, vegetables, and dooryard garden plants. 237 illustrations, 570 pages. $3.00.

LETTUCE—Crisphead Varieties

92. Bolgiano's Masterpiece Lettuce. ("Best in Garden" Variety.) Market gardeners and lettuce growers all over the country are now growing the "Masterpiece" for their late spring, summer and early fall crops. No matter how hot or how long it remains in the garden it will keep crisp, tender and sweet. No bitterness. It will not go to seed quickly. Sure header, can be grown in open ground after danger of frost is over, all during the summer and early fall. Never spots or turns dark in any part. Will stand shipping to any part of the United States and remains as crisp as ice. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25, postpaid.**

348. New York, or Wonderful. The plants are extra large and produce heads of immense size with the leaves closely folded; inner portion blanches easily, and leaves are always crisp and tender. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

238. Hanson Improved. Is uniformly sure heading; grows to a large size, and the heads blanch easily and are always solid; leaves crisp, mild and tender. One of the best to grow for the summer markets. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**



Bolgiano's Masterpiece Lettuce

314. Iceberg. This is adapted for sowing for either spring or summer use, and no matter the season the leaves are always tender. The Iceberg lettuce has become most popular in family gardens. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

Cabbage, or Butter Head Varieties

60. Bolgiano's Black Seed Summer. A perfect heading outdoor lettuce, especially during our dry, hot summer, because it is long standing and always tender and pleasant to the taste. It does equally well for forcing under glass in hot beds, cold frames, greenhouses and for outdoor cultivation. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

Bolgiano's Long Lost Lettuce

318. Improved Salamander. Especially desirable for late spring sowing. Medium sized, tender heads. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

325. Long Lost Lettuce. Produces large, solid, compact head. It is a sure header and is very hardy. Will winter even better than the Big Boston, never spots or shows brown in any part of the head. Sweet, crisp and tender. The leading market gardeners say the Long Lost is a profitable lettuce. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25.**

260. Mammoth Black Seed Butter. In a trial of several hundred Lettuces we were impressed with this kind for summer use. It makes a large, light green head; the leaves are slightly crumpled like our White Loaf. It withstands the summer heat. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

165. California Cream Butter. A fine variety for growing in the South for shipping North during the winter. The beautiful large heads blanch to an attractive white color; the outer foliage is dark green marked with small brown spots. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

102. Bolgiano's White Loaf. Produces a fine large crop of reliable heads, crisp and pleasant flavor. Both for Fall and Spring sowing. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

PRINCIPLES OF VEGETABLE GARDENING, by L. H. Bailey. Full information on growing 70 vegetable crops makes this book worth several times its price to every grower. Includes practical pointers on hotbeds, cold frames, weeds, insects and diseases, marketing, storing, and drying. 250 illustrations, 490 pages. $4.00.

MUSKMELON, or CANTALOUPE

One Ounce Will Plant 50 Hills; 2 or 3 Pounds in Hill per Acre.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

CULTURE. Melons thrive best in a rich, light soil. Plant early in May, when the ground has become warm and dry, in hills six feet apart each way for muskmelons, eight feet for watermelons. Previous to sowing the seed, mix a few shovelfuls of well-rotted manure in each hill, and plant in each 12 to 15 seeds; after all danger of the bugs is over, thin out to three plants per hill.

Long John Cantaloupe

When about one foot long, pinch off the tips to make them branch as it strengthens the growth of the vines and makes the fruit mature earlier. Give plenty of water and feed liquid manure occasionally. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.

Green Flesh Varieties

209. Long John Cantaloupe. **("Best in Garden" Main Crop Variety.)** Originated, improved and perfected in the great cantaloupe section of Anne Arundel County, Maryland, which is widely known for its grand luscious cantaloupes. It averages 8 to 10 inches long, some in fact grow a foot long. It takes very few to fill a basket. Deeply netted and ribbed. Green fleshed, thickly meated and of most delicious flavor. A most excellent main crop variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

215. Jasper. An early medium sized, thick green fleshed melon of recent introduction that has attracted most favorable attention for its sweet delicious flavor and few seeds. A prolific producer of all perfectly netted, well-formed melons. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts., lb. $1.50.**

41. Sweet Air. **("Best in Garden" Early Variety.)** This wonderful melon is medium in size, thick green flesh with small cavities, delicious sweet flavor, perfectly tender; it fairly melts in your mouth. Vigorous grower, vines keep green and produce big crops of beautiful netted melons. No culls. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25, postpaid.**

226. Jr. Rocky Ford. Two weeks earlier, a little larger and twice as productive as the Rocky Ford, one of the best rust and blight resisters. Vigorous grower, vines keep green and produce big crops of fine market melons. Its netting is close and deep, sweet flavor, thick green flesh with small seed cavities, make a very fine shipping melon. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

193. Knight, or New Maryland. Not liable to blight, considerably earlier in maturing and nearly, if not quite, as large as the Sweet Air. The melons are firmly netted, uniform in size, and the thick green flesh is most delicious in flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

39. Rocky Ford, or Netted Gem. One of the best-known cantaloupes in the world. Its fine flavor, bright green, very deep meaty flesh, make it a popular variety. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

123. Bottomley Cantaloupe. In shape it is oblong, ribbed and heavily netted. The flesh is green, very solid and thick, having a delicious flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

81. Bolgiano's Baltimore Nutmeg. The Baltimore Nutmeg is a large green-flesh variety, sweet as sugar. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb.,35 cts.; lb. $1.25.**

210. Honey Dew Melon. Has a peculiar sweet pleasant taste. It must be dead ripe before being prepared for the table. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. $1.35.**

Salmon Flesh Varieties

242. Hale's Best Cantaloupe. Very early. Oval in shape with heavy netting and ribs hardly apparent. The flesh is exceptionally thick and firm, of fine sweet flavor. A deep salmon color. Has a very small seed cavity. It is at least ten days earlier in maturing than other types of Rocky Ford. It is ready for market in about 70 days. A very prolific melon and very valuable for the commercial and also the home garden. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

230. Bolgiano's Unsurpassed Cantaloupe. As a shipper it is a wonder, stands long distance hauls, and is in perfect condition when shipped from California to New York. Packs 45 to the crate perfectly. "Solid netted, of a whitish gray color." The meat is a beautiful golden. Very thick flesh with extremely small seed cavities. Tender, a sweet pleasing flavor, one never to be forgotten. Vigorous grower, one of the best blight-resisters, producing large crops of even size melons, absolutely no culls. Be sure and give it a trial. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

231. Hearts of Gold. Here is a fair sized melon, larger than Rocky Ford with distinct ribs and quite heavily netted. The rich golden flesh has a most excellent flavor and is very deep, having only a small seed cavity. It is recommended for home or market gardens, while as a shipper its popularity is increasing for the high quality is retained perfectly after traveling long distances. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

54. "Tip Top." Sweet, juicy, finest flavored, firm (but not hard) fleshed. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

63. 10-25 Cantaloupe. A re-selection of the Pollock Salmon Tint, No. 25 Strain, which in the last few years has become very popular among market gardeners. Orange flesh, tender, sweet flavor, without strings or toughness; excellent shipper, good seller. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

WATERMELON

Four to Five Pounds to an Acre; One Ounce for Thirty Hills.

CULTURE. Prepare hills 8 or 10 feet apart each way by working in thoroughly rotted manure, or poultry droppings—rich ground gives the plants a good start before insects attack them. When the ground is warm plant 6 or 8 seeds to the hills, covering an inch deep and, when well up, thin out, leaving three strong plants to each hill. Do not grow near pumpkins and gourds.

Stone Mountain Watermelon

STONE MOUNTAIN WATERMELON
("Best in Garden" Variety)

239. This new watermelon immediately became immensely popular. The melons are round of the richest dark green color. They have medium rind and a beautiful scarlet flesh with the finest and sweetest flavor. Without white hearts or stringiness. On good melon land they grow 50 to 80 pounds. Solid through and almost all heart. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

Wondermelon—Kleckley Sweet Improved

132. This improved strain has the same red flesh, delicious sweetness and all the other splendid qualities that made Kleckley Sweet such a favorite. The improvement has principally been made along the lines of size and shipping qualities. They will weigh as much as 50 pounds, yet the rind is thin, but so tough that Wondermelon will stand long shipments excellently. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

RIBAULT OR RADIO

241. The rind is green, indistinctly striped with lighter green. It will average larger than the Tom Watson. It is long and thick in shape. While the rind is only medium thick, it is very tough and will stand rough usage in shipping and under ordinary handling the rind will not break The flesh is bright red, sweet and free from hard centers. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

317. General Pershing Watermelon. The sparkling red flesh is as sweet as honey. No hard center and stringless. Flesh firm and compact. Rind tough. Vigorous grower. Vines keep green and produce enormous crop of first-grade melons weighing 35 to 51 pounds each. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

246. Coles Early. Strictly a home market melon, almost round in shape. Rind light green, striped with broad bands of dark green. Flesh bright red, crisp and delicate texture. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

229. Excell. A long green melon, with visible stripes. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

64. Tom Watson. This old favorite is an extra long melon of attractive appearance, uniform in shape and quality; the luscious crimson flesh is "as sweet as honey," melting and of superb flavor. The average melon will weigh 35 to 40 pounds and measure 28 inches long and about 12 inches in diameter. As a shipping melon, it has held first place and is also quite popular for home use. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

304. Irish Grey. The rare combination of tempting sweet flavor and a tough rind make this melon one of such superior merit that it well deserves the popularity that it has been receiving among growers for shipping and home use. One feels a little disappointed at the first sight of the light green rind, but the view and taste of the delicious interior makes fast friends. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

144. Improved Florida Favorite (White Seeded). Early. Fine quality; medium size; flesh deep red. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

175. Georgia Rattlesnake. Oblong, dark and striped; bright red flesh; late. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

302. Halbert Honey. A very sweet, long, dark green variety. Fruits average 18 to 20 inches long, has a thin rind and deep red meat of delightfully delicious flavor; pulp entirely free from stringiness; seed white. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

343. Preserving Citron. Medium size, uniformly round, used only for preserves or pickles. Color dark green, distinctly striped and marbled with light green. Flesh white and solid, but not at all suitable for eating raw. Seed red. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

MUSTARD Postpaid.

One Ounce of Seed Will Sow 50 Feet of Drill.

For late spring use sow in February, March or April; for fall use sow in August and September. Sow the seed in rows 8 to 10 inches apart. One ounce will sow about 50 feet of drill; about 5 lbs. is required for an acre if sown broadcast.

130. Southern Giant Curled. A curly leaf variety; produces large leaves; makes a very fine salad; flavor is all that can be desired. Plant in fall for early spring salad. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

170. Chinese. Differs from the preceding in that the large, broad leaves are smooth and flat. The plants produce a large quantity of leaves which are delicious when cooked and served like Spinach. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

327. Ford Hook Fancy Mustard. The plants are of vigorous growth; dark green leaves curve outward like a fine ostrich plume. Fine flavor, one of the best for early salad. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 65 cts.**

303. White Seed Mustard. Leaves small and smooth of medium dark green color. The plant is upright, of rapid growth and soon bolts to seed. The leaves when young are mild and tender. Seed light yellow and larger than that of other varieties. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

MUSTARD SPINACH

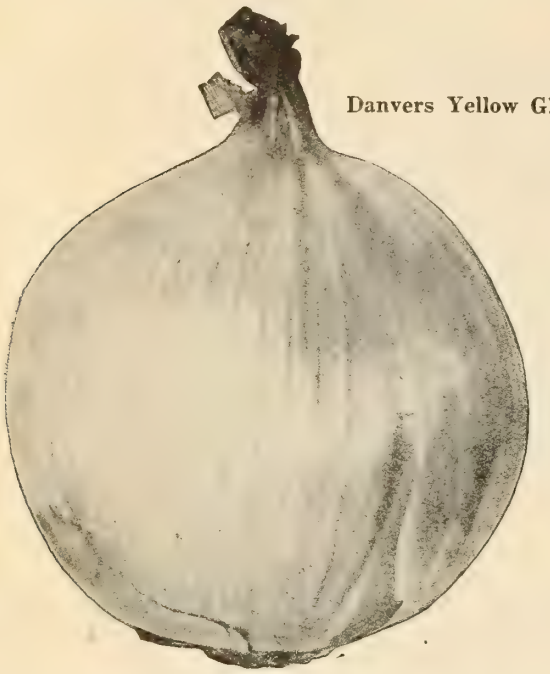
139. Tendergreen or Mustard Spinach. A cross between Mustard and Spinach with a delicious spinach flavor. It is desired by many in preference to spinach or mustard. It can be grown most of the year, being quite hardy in winter and standing hot weather as well. Leaves are gathered and boiled for greens just like turnips, mustard, spinach or kale. The flavor of tendergreen equals that of any other green. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

One Ounce Will Sow 100 Feet of Drill

ONION

Six Pounds to the Acre

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.



Danvers Yellow Globe

CULTURE. For sets sow the seed early as possible in the spring, very thickly in drills. As soon as the tops die off in summer remove them to a dry, airy place, and early in the following spring replant by placing the sets in shallow drills, 12 inches apart, and about 4 inches apart in the drills. The onions obtained by that process are of a large size early in the season. May also be grown to full size during the first season by sowing thinly in drills 1 foot apart and about ¼ inch deep in March or early in April, in strong land, well manured, and thinning them out to 3 to 4 inches apart in drills. They delight in a strong, rich, deep, loamy soil, and succeed well if grown successive years on the same ground. By sowing onion seed in frames in February and March and transplanting in April onions of immense size can be obtained. For this purpose Prize-Taker succeeds best.

85. White Silver Skin Onion. ("Best in Garden" Variety.) This famous onion retains its great popularity. Its delicate and mild flavor, its shapely form and size, and its pure color make it a most desirable variety for the table, for the market and for shipping. Onion sets are extensively grown from this sort, and from these sets full-size onions are grown as early as June and July. The onion sets and large onions are used for pickling purposes because of their clean, silvery white color. **Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

174. Australian Brown. It is of medium size and of good quality, very early, rather flattened in shape, brown in color, and wonderfully hard and solid. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

296. Yellow Globe Danvers. A popular variety of fine flavor and a splendid producer. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

201. Southport Yellow Globe. Some gardeners claim the Eastern-grown seed produces a more solid onion than the Western-grown. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

36. Danvers Flat Yellow. Color brownish-yellow; bulbs quite round and of good size. This is one of the varieties grown for sets. They are more hardy than the whites, and keep better through the winter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50.**

224. Mammoth Prize-Taker. This onion is seen on fruit stands in the fall and is the largest and handsomest onion in cultivation, and can be grown full size from seed. It keeps well, has white flesh, and mild, delicate flavor. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

293. White Portugal. Fine color; mild flavor; pure white. Fine for onion sets and pickles; will grow to large size if sown thinly and kept worked. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

320. Mammoth Silver King. The skin is beautiful silver white. The flesh is sweet and mild. Large size flattened but thick. The average diameter 5 to 7½ inches. Matures in about 85 days. An excellent keeper. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25.**

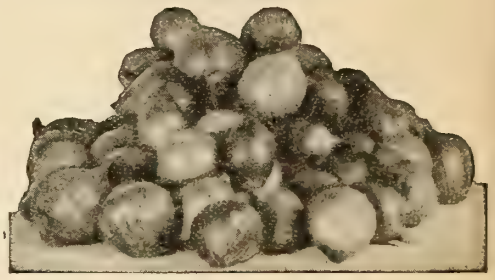
188. Ebenezer or Japanese. Similar to Yellow Globe Danvers in shape and size but are superior in flavor and keep longer. They are firm, solid, have a thin skin and are agreeably mild. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

206. Large Red Wethersfield. Produces beautiful, thick, flat-shaped, rich, purplish-crimson colored solid bulbs. It always commands a good price in the market. It is a good keeper and of excellent quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 55 cts.; lb. $1.85.**

225. Southport White Globe. Of all our American varieties of market onions, this generally commands the highest price. Of true globe form, the onions are 2 to 2½ inches in diameter, with a thin, delicate skin of purest paper whiteness. The flesh is crisp, fine grained, snowy white in color and very mild flavor. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

ONION SETS

Onion Sets by Mail



We will send by mail postpaid either Yellow or White Onion Sets at **20 cts. per ½ pound** (about one pint), or **30 cts. per pound** (about one quart), safely packed.

We Supply Onion Sets in Any Quantity Up to Carloads

	Per bu.
White Silver Skin	$4.25
Yellow Danvers	3.75
Red Wethersfield	3.75
Japanese	4.00

Write for latest prices. Prices subject to market changes.

MUSHROOM SPAWN

Mushrooms may be grown in cellars, under benches or greenhouses or in sheds, wherever the temperature of 50 degrees can be kept up through the winter. The beds should be made from November to February, according to the time the Mushrooms are wanted, and it requires about two months for them to begin bearing. One brick of spawn is sufficient for 8 square feet of prepared beds.

American Spawn. In bricks. **Per brick, 25 cts.; 10 bricks, $2.25; per 100 bricks, $20.00.**

If requested, with each one dollar order for Mushroom bricks, we will send a book on Culture. Books alone, 10 cts.

GARDENING IN THE LOWER SOUTH, by H. H. Hume. The first and only complete garden guide for the South. It tells what flowers to plant for steady succession of bloom, how to have fresh vegetables throughout the year, how to grow fruits, what varieties to plant, what trees and evergreens grow best, and all about Southern soils, fertilizing, lawn making, palms, roses, azaleas, bulbs, bamboos, vines, and other plants. 102 illustrations, 472 pages. $5.00.

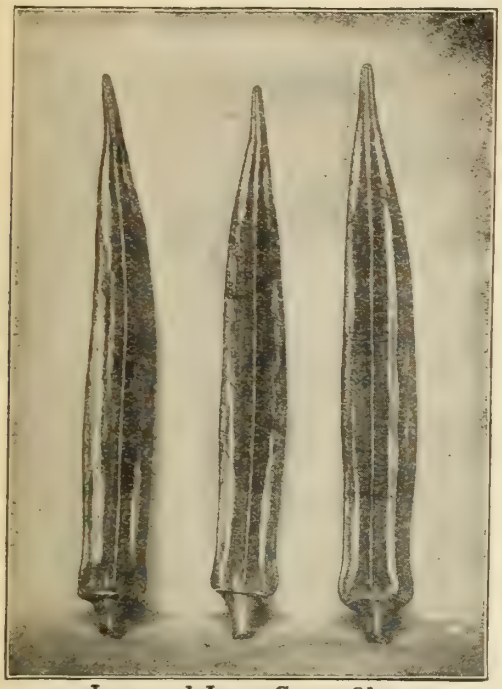
Prices Include Postage on Pkts. Ozs., ¼ Lbs. and Lbs.

1 oz. Will Sow 30 Feet of Drill.

GREEN ORKA

Ten Pounds to the Acre.

CULTURE. This vegetable is extensively grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious. Sow seed thickly in rich ground about the middle of May, or when ground has become warm in drills 3 feet apart, 1 inch deep; thin to 10 inches apart in drills.



Improved Long Green Okra

154. Dwarf Green Prolific. A very early variety, dwarf in habit but producing very freely short green pods slightly ridged and yet of fine flavor and quality. Its pods can be easily dried for winter. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

189. Improved Long Green. A very desirable sort for market gardeners; of medium height; very handsome; bears long pods, which remain tender a long time and are free from hard ridges. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

234. White Velvet. A popular new variety with white pods. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

56. Perkin's Mammoth Long-Podded. Pods shoot out from the stalk within three inches of the ground and the whole plant is covered with them to its extreme height. Pods are an intense green color, 9 to 10 inches long, very slim and do not get hard. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

One Ounce Will Sow 200 Feet of Drill.

PARSNIP

5 to 6 Pounds for an Acre.

CULTURE. Sow as early in the spring as weather will permit in drills 15 inches apart in rows. The quality of the roots is improved by leaving them in the ground over winter for spring use. Secure enough in pits or cellars for immediate needs. Valuable for feeding as well as for table use.

83. Hollow Crown Sugar Parsnip, or Hollow Hub. The best and handsomest parsnip. Half long, wedge-shaped, hollow crowned, and very broad at the shoulders, easily taken out of the ground, and producing more tons to the acre than the longer and thin varieties. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

86. Guernsey. A greatly improved strain. Hollow crown very smooth. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

One Ounce Will Sow 100 Feet of Drill.

PARSLEY

Six Pounds to the Acre.

CULTURE. Succeeds best in a mellow, rich soil. Sow thickly in April in rows 1 foot apart and ½ inch deep; thin out the plants to stand 6 inches apart in the rows. The seed is slow of germination, taking from 3 to 4 weeks to make its appearance, and often failing to come up in dry weather. To assist its coming up quicker soak the seed a few hours in warm water or sprout in damp earth and sow when it swells or bursts. For winter use protect in a frame or light cellar, or lift some of the plants and reset in six-inch flower pots or small boxes and place in kitchen window.

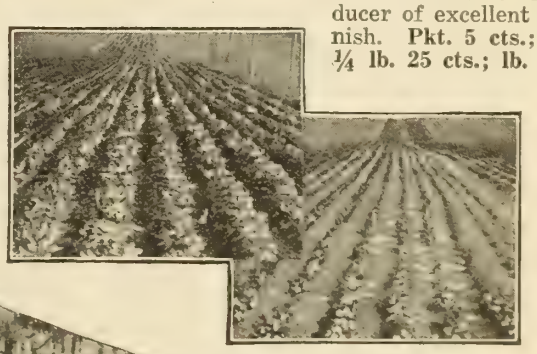
Parsley

194. Emerald, or Dwarf Extra Curled. Leaves are tender, beautifully curled; handsome, bright green color; very pretty; makes long stems. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

106. Market Gardener's Best Triple Curled.

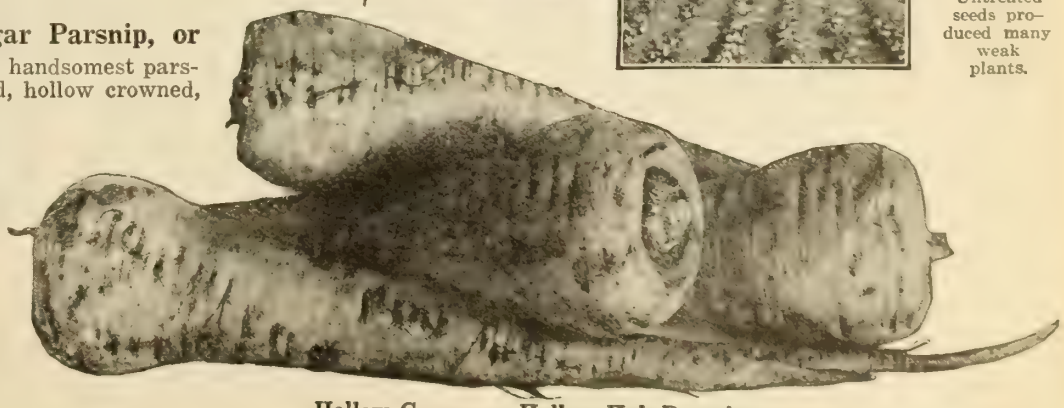
("Best in Garden" Variety.) The plant is of a very robust and free growth, and it is improved by severe cutting. The leaves are very large and beautifully curled, and of a very dark green. It will stand the heat, drought and cold better than many other varieties. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

341. Plain, or Single. Leaves flat, deeply cut, not curled, but very dark green. Plant very hardy. One of the most popular varieties for Southern culture. A good producer of excellent quality garnish. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 75 cts.**



Left A field of parsley from Semesan-treated seeds.

Right Untreated seeds produced many weak plants.



Hollow Crown, or Hollow Hub Parsnip

One and One-Half Bushels to the Acre. **PEAS** 1 Quart Will Plant 100 Feet of Drill.

Weight by Parcel Post, Including Packing, 4 Qts., 9 Lbs.; Pk., 17 Lbs.—Parcel Post Table, Page 2.

CULTURE. Peas mature earliest in light, rich soil. For general crop use a rich, deep loam or inclining to clay is best. When grown in garden sow in double rows 6 to 8 inches apart; the rows 2 to 4 feet apart. Commence sowing the extra early varieties as early as the ground can be worked in February or March; transplant for a succession every two weeks until June, then discontinue until the middle of August, when a good crop may be secured by sowing extra early and early sorts for fall use. They should be kept clean and earthed up twice during the growth. The wrinkled varieties are not as hardy as the small, round sort and if planted early should have a dry soil or they are liable to rot in the ground. They are, however, the sweetest and best flavored varieties. The dwarf varieties are best suited for small gardens.

Extra Early Dwarf Varieties

Early Bird Peas

532. Bolgiano's "Early Birds" Peas. ("Best in Garden" Variety.) This wonderful semi-wrinkled dwarf variety can be planted as soon as the ground can be worked. They do not rot in the ground like fully wrinkled peas. The dwarf vigorous vines measure 18 inches and carry enormous crops of large, beautiful, deep green pods, 4 to 5 inches long, and are filled with 9 to 10 large blue marrow peas of fine flavor. Bolgiano's "Early Bird" Pea is a profitable variety for the market gardener. For the home gardener it is unsurpassed. Send your orders early. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.60; bu. $9.25, not prepaid.**

30537. Extra Early Progress Pea. Beautiful long dark green pods filled full of lucious peas of the wrinkled variety. The vines are about 18 inches high and most prolific bearers. You will certainly be delighted with this pea if you give it a trial. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $2.80; bu. $10.25.**

537. Laxtonian. This handsome new wrinkled pea is the largest podded of the dwarf varieties on our list. The beautiful dark green pods are similar to Gradus in shape and splendid quality; are very nearly as large in size and mature a little earlier. The vines are vigorous, productive, averaging 15 to 18 inches high, foliage dark green; pods about 4 inches in length. Seed light green, large, wrinkled, flattened, irregular in shape. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $2.80; bu. $10.25.**

We Pay Postage on Pkts., Pts. and Qts. of Seed Peas Only. Larger Quantities, Parcel Post, Freight or Express Charges Extra.

Peas are both nutritious and delicious. They are at their best when picked fresh from the vines. Every garden should produce enough peas to supply the table for many weeks.

THE SAME FOR A LIFE TIME

Prince Georges County, Md., October 8, 1933.

F. W. Bolgiano & Co., Washington, D. C.

As a very small child I remember so well hearing my father praise Bolgiano's seeds. When I married I found that my husband's father also dealt with Bolgiano. All of us have found the seeds very satisfactory.

(Signed) MRS. J. B. KNOWLES.

527. Nott's Excelsior. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.60; bu. $9.25.**

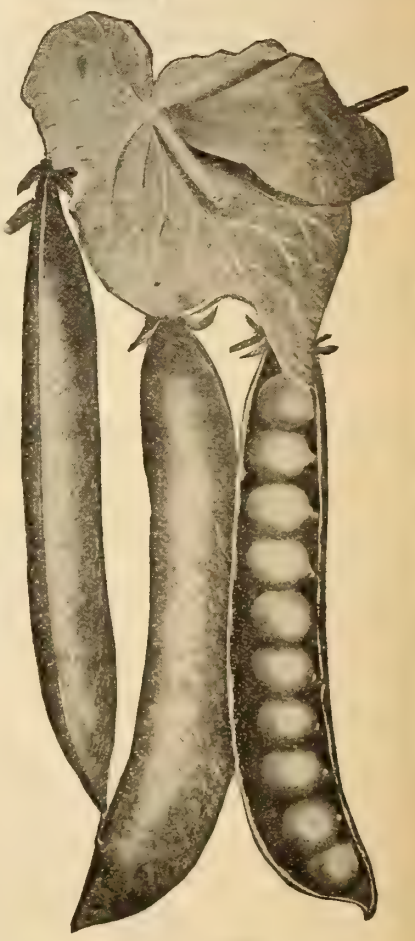
546. Premium Gem. This variety is nearly as early as the American Wonder, and the vine is decidedly larger, growing from 12 to 16 inches, and bearing an immense crop of pods which are larger and invariably filled with peas of best quality. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.60; bu. $9.25.**

539. American Wonder. This variety stands unrivaled in point of productiveness, flavor and quality, and is without exception the earliest wrinkled pea in cultivation. It is of dwarf and robust habit, growing from 10 to 15 inches high, and produces a profusion of good-sized and well-filled pods, of finest flavor. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.60; bu. $9.25.**

541. Little Marvel. Vines of dwarf even growth, averaging 15 inches in height. Heavily set with fine pods and frequently borne in pairs. Ready for table fully as early as American Wonder. Vines are larger and produce a much heavier crop. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts., postpaid; pk. $3.00; bu. $11.00.**

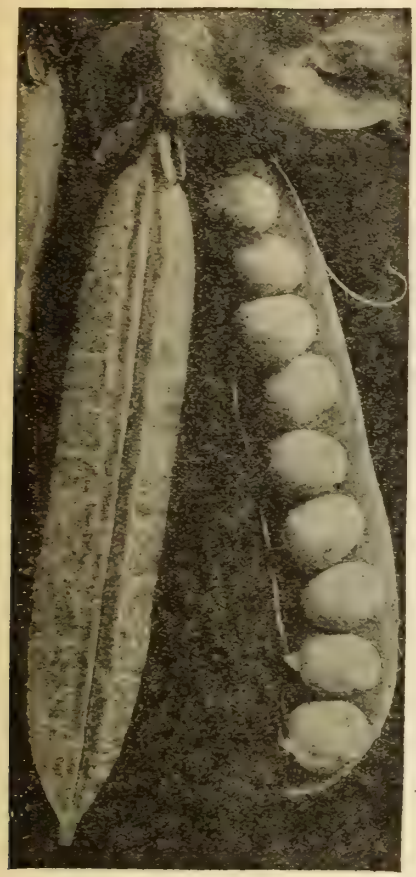
10537. Bolgiano's 100% Profit Peas. Only grows 1 foot high, but quickly produces an abundance of immense beautiful, deep green pods, filled with large, delicious peas. **Pkt. 10 cts.; pt. 40 cts.; qt. 70 cts.; pk. $2.85; bu. $10.50.**

INCREASE YOUR YIELD OF PEAS BY INOCULATING WITH NITRAGIN



Laxtonian Peas

PEAS—Extra Early Varieties



Long Podded Alaska Peas

534. Extremely Early Long-Podded Alaska. An entirely new, vigorous handsome, long-podded, delicious flavored Alaska pea. Bound to become extremely popular, for it has all the good qualities of our Famous Extra Early Alaska Pea, and in addition it has a well-filled, long pod, which will fill the basket quickly, and while it is not a distinctly sugar pea, yet it has a much sweeter flavor than the Alaska. It is abundant yielder. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $9.00.**

540. Bolgiano's Earliest Springtime. Can be planted the same time as Extra Early Alaska. The pods are 4 to 5 inches long. Peas nearly as large as the Gradus. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $9.00 not prepaid.**

536. Extra Early Alaska. The earliest of all smooth green peas, having the best color when shelled and the best quality when cooked. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing its color, which quality, combined with its earliness and uniformity of ripening, make it one of the best early peas for market gardeners. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.40; bu. $8.50.**

10540. Pilot Peas. The pods and peas are nearly as large as those of the Gradus and are produced three days earlier. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $9.00.**

535. Extra Early Gradus, or Prosperity Peas. It produces pods equal in size to the well-known Telephone. Quality and productiveness equal to that well-known variety. The vines are vigorous, robust growth about 2½ feet high, thick stems and luxuriant foliage; it bears large, handsome pods with immense, luscious peas, remaining sweet and tender a long time after they are fit to pick. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.75; bu. $10.00.**

10519. First and Best. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.40; bu. $8.50.**

20534. Ameer. Fine podded Extra Early; prolific. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $9.00.**

Lincoln County, Okla., April 7, 1933.

F. W. Bolgiano & Co., Washington, D. C.

I grew Bolgiano Tomato also Greater Baltimore last year. Even though we had a very unfavorable season Bolgiano did fine. A single plant had 22 large sized tomatoes at one time. I've grown Greater Baltimore for 25 years but Bolgiano surpassed it last year.

(Signed) MRS. O. M. ALKIN.

533. Extra Early Thomas Laxton. An extra early wrinkled marrow of excellent quality, and a valuable addition to the very early varieties. It is three feet high and somewhat more vigorous in habit than Prosperity. The pods are medium to large, blunt-ended and filled to the tip with large peas of true, rich "marrow" flavor. Its strong vine and heavy cropping character make it very suitable for an early crop in the private garden. It may be used to great advantage as an immediate successor to Gradus. If sown together, Thomas Laxton will be in full production just as the crop of Gradus is diminishing. **Pkt. 10 cts.; Pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.60; bu. $9.25.**

Second Early or General Crop

531. Telephone. A wrinkled variety of very robust habit and a great bearer. A single vine produces from 8 to 10 unusually long, well-filled pods of largest size, containing 10 to 11 peas. It is very productive, of fine flavor and an excellent table variety. Height about 4 feet. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $8.75.**

10531. Alderman. Tall, vigorously productive. **Pkt. 10 cts.; pt. 35 cts.; qt. 60 cts., postpaid; pk. $2.50; bu. $8.75.**

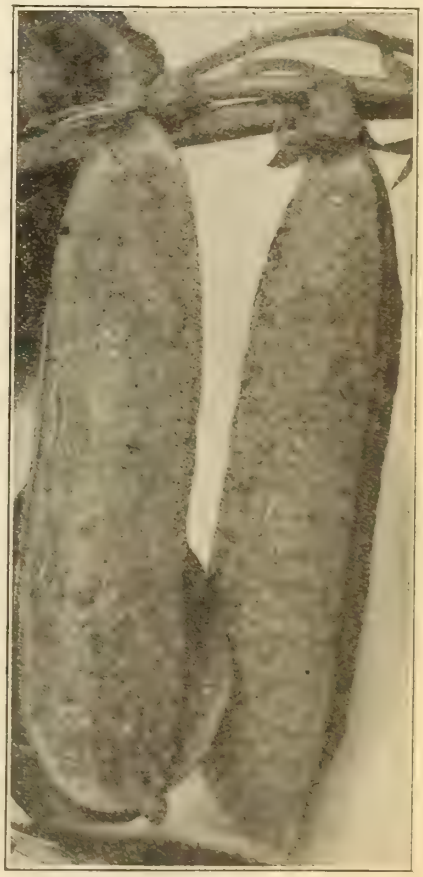
PEAS—Edible-Podded or Sugar

528. Melting Sugar. Grows to height of 5 feet; bears a profusion of large, broad pods, which are so brittle they snap without any string. Should be used in much the same way as wax bean. Pods, when cooked, are very sweet and tender. **Pkt. 10 cts.; pt 35 cts.; qt. 60 cts., postpaid; pk. $2.75; bu. $10.00.**

NITRAGIN FOR GARDEN USE

Every garden needs Nitragin; fresh high count NITRAGIN, containing billions of nitrogen-gathering germs build up the soil. Costs less than others—is cheapest crop insurance. Insist on NITRAGIN. Garden size is for Peas, Sweet Peas, and Beans, including Lima (3 in one Inoculent). **Price** 25c

MANUAL OF GARDENING, by L. H. Bailey. You can depend on this book to supply you with complete and practical information on planting and landscaping your home grounds. Tells how to make the most of natural features; how to drain, cultivate, and fertilize the soil; how to sow, propagate, transplant, prune, and graft the different classes of fruits, vegetables, and flowers. Gives lists of varieties suited for different purposes. 350 illustrations. 539 pages. **$3.00 Postpaid**



Extra Early Gradus

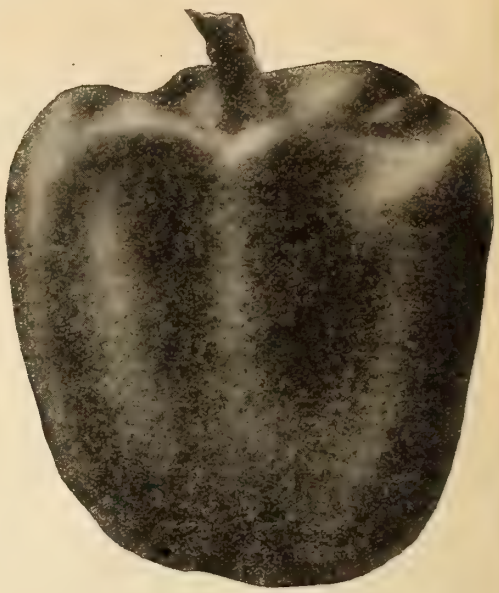
PEPPER

One Ounce Will Produce About 1,500 Plants.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

CULTURE. Peppers are indispensable as a seasoning for soups and meats. The large varieties are mainly used for this purpose and pickling. The mild, sweet varieties, like Sweet Mountain, Bull Nose and Ruby King, are used for Mangoes, while the small-fruited sorts are best for sauces. Sow in hotbeds in March or April or sheltered border in May; when the season is favorable transplant in rows 2 feet apart and 18 ins. in the row, in good, rich, mellow ground.

328. California Wonder Pepper. **("Best in Garden" Variety.)** A new pepper of real merit. It's nearly as large and earlier than Chinese Giant, but is blocky or square ended. It is especially free from roughness. It's pretty as a picture. Just the ideal shape. It will sit upright and is perfect to stuff and bake or to serve whole with salad. Its walls are exceptionally thick, heavier and firmer than any other sort. The flesh is deliciously sweet and spicy with no bite to it. The bright attractive green when young changes to a brilliant light crimson as they mature. Full grown peppers commonly have a breadth of 4 inches and a length of 4½ inches, weighing as much as a full pound. The plants are slightly spreading, sturdy and productive, bearing from 5 to 9 large fruits to a setting. For the home gardener, market gardener and shipper, this is the ideal pepper. Give it a trial. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35; lb. $5.00.**



California Wonder Pepper

263. Chinese Giant. This monstrous fruiting variety averages 12 to 15 inches in circumference and, notwithstanding its immense size, it is very early and prolific. The flesh is thick, tender, mild, sweet and unexcelled when sliced or for stuffing for "mangoes." When ripe the surface is of a brilliant, varnished scarlet. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.50; lb. $5.50.**

88. World Beater. A cross between Chinese Giant and Ruby King, having the shape of Ruby King, except broader at the pointed end and almost the size of Chinese Giant. Far more prolific than Chinese Giant and fully as early as Ruby King. An exceptional all-around pepper. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

274. Bell, or Bull Nose. Produces a very large-sized pepper, which is highly esteemed for pickling. Flesh is sometimes quite hot in flavor. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

253. Long Red Cayenne. A long red variety, very hot, and is generally used for seasoning soups. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

Small Sugar Pumpkin

283. Ruby King. 4 to 6 ins. in length and 3½ to 4 ins. thick, yet retaining the symmetrical shape of the smaller size. Very bright colored and the flesh is sweet and mild flavored. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 90 cts.; lb. $3.25.**

284. Royal King. An improved Ruby King, four lobed, bright color, mild and sweet. This variety, to our minds, far surpasses any recent types on the market. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

266. Red Chili. They are pointed like the Cayenne, but not so long nor so thick, and are exceedingly pungent when ripe. Requires a long, warm season. The plants should be started early in a hotbed. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.20; lb. $4.25.**

306. Pimiento. About 3½ inches long by 2¼ inches across the stem, being decidedly conical in shape, and are of a rich bright scarlet color. The meat or flesh is tender and sweet. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

PUMPKIN

Hills, Eight Feet Apart. **Two Pounds to the Acre.**

CULTURE. May be planted middle of spring, among the Indian corn or in the field or garden, in hills 8 to 10 feet apart each way, four seeds in a hill. In other respects they are cultivated in the same manner as melons and cucumbers. Avoid planting them near other varieties.

245. King of the Mammoth, or True Potiron. The great prize pumpkin growing the largest of all, from 100 to 200 pounds in weight, bright yellow, tender, excellent. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.75.**

126. Large Sweet Cheese. A most popular variety; fruit flattened; skin mottled light green and yellow, changing to rich cream color as it matures. Flesh yellow, thick and tender. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

197. Sweet Potato. The finest variety for table use. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

158. Connecticut Field, or Large Yellow. The common field variety. Excellent for feeding. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

75. Yellow Winter Crookneck. Fruits are about 2 ft. long, with solid, meaty, curvy neck. Color solid yellow. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

181. Green Striped Cushaw. Fruits very large, with crooked neck. Color creamy white, irregularly striped or traced with green. Flesh light yellow, very thick, rather coarse but sweet. This sort is very productive. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

220. Sugar or Pie. Orange-colored skin and flesh of usually fine, sugary flavor, fine-grained, very productive, and keeps well. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.; lb. 90 cts.**

MAINE SEED POTATOES

See Inclosed Pink Sheet for Latest Prices on Seed Potatoes

The HOULTON (MAINE) SEED POTATOES are universally acknowledged to be the best; grown in the cold North, where Nature conspires against all but the strongest, we get our best seed. For earliness and productiveness we are convinced that Maine-grown seed are the best, and, in the long run, cheapest. Why not take the same care in selecting your seed potatoes as you would your cabbage?

Irish Cobblers

Trust Buster. **(Bolgiano's extra early seed potato).** It is not only early, but it is a heavy producer of potatoes of the very finest texture and quality. These potatoes are uniform in size, color, and fine flavor. They are quickly prepared for cooking, as the skin peels readily and they cook dry and mealy.

Irish Cobbler. The most popular of the early varieties. Of handsome cream white color and of excellent quality, making it most desirable for the best trade. It is a vigorous grower, ripens uniformly, and is a good keeper.

"Prosperity" (the best second early and main crop potato). Yields great crops of even, fine, smooth, large potatoes, even under the most unfavorable circumstances, and can be relied upon to bring in good money. The flesh is as white as snow, and cooks dry and mealy. The eyes are even with the surface, the skin white, with rich, yellowish-creamy cast, and considerably ruffled or netted.

Green Mountain, or State of Maine. The best main crop potato now on the market; fine yielder; fine flavor; fine appearance. Free from blight and rot. Keeps well, and is always ready for the table.

Early Long Six Weeks. Ready for the table in six weeks.

Red Bliss Triumph, or Improved Red Bermuda. One of the earliest varieties grown; its great productiveness, handsome color and resistance to disease make it most popular.

Spalding Early Rose. This is a popular potato; very early; fine quality, and very productive.

Potatoes for June and July Planting

We carry in cold storage all the leading varieties so as to have them in sound, vigorous and unsprouted condition. Write for prices.

Our stocks have been grown for seed purposes, and are carefully selected for yield and purity. Get our prices before you buy. Several have told us that seed gotten from our house yields from 20% to 25% more than seed saved by themselves.

If shipments are requested during severe cold weather, the tubers travel solely at purchaser's risk.

POTATO FERTILIZER

We Recommend 4-8-4

Contains those elements essential to grow quality potatoes. See page 80.

SWEET POTATO ROOTS

CULTURE. Don't wait for a rain or a 'season' to set out sweet potato plants. Harrow your ground well before laying it off, then throw up the ridges higher than you want them, and if the soil is very dry allow 2 or 3 days for the moisture to rise; then knock off the top of the ridge just ahead of planting; make a mud batter with water and clay loam, or, better, with the addition of fresh cow dung, about as thick as cream; dip the plants, in hands of about 20, into this, so that a large quantity of the mud clings to them.

Big Stem Jersey Sweet Potatoes. They are of fine size, and the yield has astonished our most critical trade. They make only a very few, and in some cases no small roots. The quality is first class.

Nancy Hall Sweet Potatoes. Are too well known to require any description.

Sweet Potato Plants. Rooted slips ready in May. The young plants should be set in May and June.

Treat Seed Potatoes With Semesan Bel

Semesan Bel is the new instantaneous disinfectant for treating both white and sweet potatoes. In addition to controlling the common potato diseases, such as scab, rhizoctonia, black rot, scurf, black leg, etc., Semesan Bel is harmless to cut, whole or sprouted seed pieces; actually preserves the seed piece against soil-borne organism; promotes earlier and more profuse sprouting; improves the quality of the produce and increases the yield by much larger percentages as to make the cost of treatment a very profitable investment. **Price, 4 ozs. 50 cts.; 1 lb. $1.75; 5 lbs. $8.00; 25 lbs. $31.25.** Full directions for using Semesan Bel, as well as a summary of the results obtained by prominent potato growers and Agricultural Experiment Stations will be found in the Semesan Bel Potato Booklet which we will mail free to your address on request.

6 Ounces of Seed will Plant 100-Yard Row.

RADISH

Eight to Twelve Lbs. to the Acre.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Radishes are one of the most popular spring and summer vegetables, and it is easy by successive sowings to have a generous supply throughout the entire season.

We have divided the varieties into four classes, and call attention especially to the long-rooted sorts which remain in condition a long time before becoming pithy.

Suggest that you try the White Chinese Winter, sowing the seed the same time as recommended for turnips.

Scarlet Globe Radish

CULTURE

Radishes thrive best in light, rich, mellow soil, and to bring out their mild qualities they must make quick and tender growth. Sow for very early use in hotbeds during the winter and early spring, or later on in sheltered borders in well-manured, deeply-dug and finely-raked soil. If not well stimulated into a rapid growth they become fibrous and tough. Sow in drills 10 inches apart and thin to 2 inches in the rows. Sow at intervals of 2 or 3 weeks until September for a succession. Sow winter varieties in July and August. Like the turnips, they make the best growth in the autumn, and must be taken out before severe frost and stored away in a cool cellar in sand or in a pit where they will keep tender and crisp all the winter. Before using, put in cold water, which adds to their freshness.

Scarlet Turnip White-Tip Radish

55. Glowing Ball Radish. It is a round forcing short top radish, very bright scarlet with almost an orange glow. Glowing ball is the result of five years development from an unusually bright colored specimen selected from round scarlet radish. It can be used for greenhouse as well as for the open. It has a very attractive color and a smooth, silky skin, short topped, very small top root, ball shaped and about one inch in diameter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00, postpaid.**

208. French Breakfast. Elongated olive-shaped roots; color bright carmine with base of root and top root clear white. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

316. Crimson Giant. This new radish is an entirely new type and differs radically from all the varieties hitherto in cultivation, in so far as its roots attain more than double the size of those of other turnip varieties, without getting pithy or hollow. This giant radish develops roots of 6 to 7 inches in circumference and over an ounce in weight, their pure white flesh remaining firm and crisp and of the mildest flavor, notwithstanding the extraordinary size and weight of the roots. The seed should be sown very thinly to permit full development of the roots. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75c.**

Extra Early Round Varieties

79. Bolgiano's No. 2 Scarlet Globe Radish. ("Best in Garden" Variety.) Is the very best in every way. It is handsome in form and color, beautiful oval and rich scarlet. The amount of its foliage is small, compared with other varieties, and small for the size of the radish. The peculiar merit of this variety as a forcing radish is that it will bear the heat requisite for forcing without becoming pithy or spongy. The flesh is tender, juicy and mild. It is equally as good for open garden as for forcing, and therefore it commends itself equally to the amateur and market gardener. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

311. Model White Box. An early variety, very popular with market gardeners. Radishes grow 1 to 1½ inches in diameter, with pure paper-white skin; crisp, mild flesh. Largely planted in the field for the earliest market crop. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

259. Scarlet Olive-Shaped. This radish, olive shaped, has a distinct, bright-scarlet color. The whole crop maturing at one time makes it very desirable. It is among the best shippers. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

91. Scarlet Turnip White-Tip Radish. It has been brought to our market two weeks after planting, and always is a very early crop for frames and for open ground culture. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 65 cts.**

White Icicle Radish

Early Long Varieties

278. White Icicle or Lady Finger. (See illustration.) A long radish, transparent white, small top, allowing close planting, and is very crisp and brittle. The Radishes remain in good condition for a long time while growing, allowing continuous use from one planting. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

95. Improved Early Long Scarlet Short Top. This improved strain of the Long Scarlet Radish is regarded by our most extensive gardeners to be the finest stock grown; for earliness, brilliancy of color and shortness of top, it cannot be surpassed, and it is the most profitable one to grow for an early crop. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

RADISH

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

Summer and Autumn Varieties

White Strasburg Radish

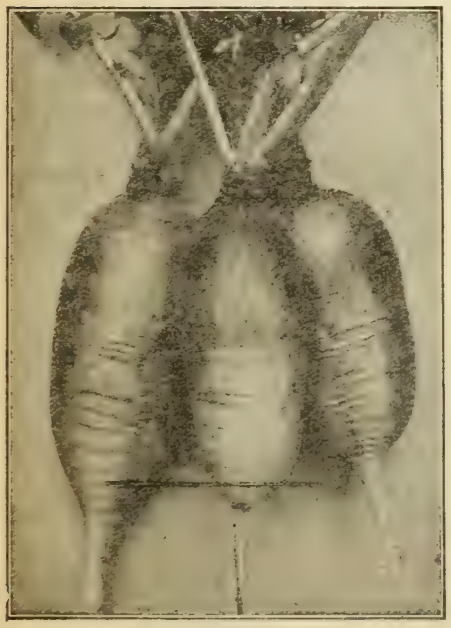
118. White Strasburg. Of handsome oblong shape, tapering beautifully to a point. Both skin and flesh are pure white, almost transparent, very tender and of a delightful, pungent taste. It can be pulled five weeks from time of sowing the seed, yet it will continue to grow without losing its fine quality, and remains in a tender condition longer than any other summer sort. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

37. Golden Globe Summer. Of globular form and yellow color. A splendid addition to the radish family. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts.**

Winter Varieties

The seed should not be sown until about July 1st, and if the rows are kept well cultivated the roots continue to make growth until early in the fall.

78. White Chinese, or California Mammoth. As solid and juicy as an apple, pure white flesh and delicious flavor — a very choice variety. Should be sown in June and July, and is ready for use when 3 ins. long, and continues to grow until it is 6 ins. long. A first-class winter radish and always attracts favorable comment at the table or on the market stall. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**



China Rose Radish

190. Long Black Spanish. One of the latest and hardiest radishes. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

157. China Rose, or Scarlet China. One of the most popular fall and winter sorts. Roots about 6 inches long. Skin smooth and of a bright rose color. Flesh very firm and crisp. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

RHUBARB

One Ounce of Seed Produces 500 Plants

203. Victoria. Very familiarly known as the Pie Plant. The stalk is the portion that is used and is the first vegetable of the season from the garden; cultivated to a great extent and is indispensable wherever it is known. Sow the seed early in the spring in rows 1 foot apart on rich ground; the second year after planting they can be removed in autumn to the permanent spot allotted to them; plant the roots 2 feet apart each way in ground that is well enriched, at least 2 feet deep. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1.50. Roots, $1.00 per dozen—add 25 cts. per dozen if sent by mail; $7.50 per 100. Express collect.**

Rhubarb

SALSIFY, or OYSTER PLANT

One Ounce for 50 Feet of Drill; 10 Pounds to an Acre.

CULTURE. A fine vegetable, used the same as carrots or, having been boiled, made into cakes and fried like oysters, which they resemble in flavor. Cultivate the same as carrots and parsnips. It is hardy, can remain in the ground all winter for early spring use, but should be taken up before it starts growing; take up a supply for use during the winter. Succeeds best in a light, well-enriched, mellow soil. Sow early in the spring in drills 15 ins. apart, 1 inch deep; thin to 6 inches in the rows.

116. Sandwich Island Mammoth. One of the most delicious of winter vegetables, and also one of the most nutritious; the flavor is sweet and highly esteemed. This variety, where known, is entirely superseding the old type, as it produces roots nearly double the size and weight, and of equally good quality. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 60 cts.; lb. $2.00.**

Salsify, or Vegetable Oyster

291. Bolgiano's Great Giant. By far the largest, smoothest, most tender salsify ever sold to the trucker. Its delicious flavor and attractive appearance bring the buyers and holds their trade. It easily outsells every other salsify, and outyields all other varieties. Truckers who have tried the "Great Giant" say it is ideal. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 65 cts.; lb. $2.25.**

Radishes are one of the first things you can pick from your garden in the spring, and winter varieties can be enjoyed until January.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

15 to 20 Lbs. in Drills an Acre **SPINACH** Two Ounces for 100 Feet of Drill

CULTURE. This is an important market gardener's crop, of easy culture. For spring and summer use sow either broadcast or in drills 1 foot apart and 1 inch deep as early as the ground can be worked, and every two weeks for a succession. For winter and early spring use sow in September in well-manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich; the stronger the ground the more delicate and succulent will be the leaves.

Selected Bloomsdale Spinach

604. Long Standing Bloomsdale Savoy.

("Best in Garden Variety")

This new selection possesses extreme merit for the spring crop. While not quite so early as the old type Savoy, it may be harvested long after other types have grown to seed. The dark green, heavy foliage is as heavily savoyed as the best of other strains. **Pkt. 5 cts.; 2 ozs. 15 cts.; ¼ lb. 20 cts.; lb. 40 cts., postpaid; 10 lbs. at 30 cts., 25 lbs. at 25 cts., 100 lbs. at 18 cts. lb.**

601. Victoria Spinach. The foliage is heavy, the broad, dark green leaves are of the finest quality. **Pkt. 5 cts.; 2 ozs. 15 cts.; ¼ lb. 20 cts.; lb. 40 cts.**

113. Spring Spinach. The most valuable for spring sowing. Its long-standing quality makes it the best for that purpose. The foliage is very attractive, heavy dark green, curled leaves, of the true Savoy appearance. It will stand from 2 to 3 weeks after other varieties of spinach have shot to seed. It can be planted all spring and summer with surety of making a crop. **Pkt. 5 cts.; 2 ozs. 15 cts.; ¼ lb. 20 cts.; lb. 40 cts.**

602. Bolgiano's Selected Bloomsdale Savoy. A mammoth seeded selection that possesses a vitality and vigor of growth and far outyields any other variety. After many years of tireless effort at breeding we are pleased to be able to offer a limited quantity of this improvement on the old standby. So we would advise your early orders, for when our stock gives out, you will have to wait until our new crop is harvested. **Pkt. 5 cts.; 2 ozs. 15 cts.; ¼ lb. 20 cts.; lb. 35 cts., postpaid; 10 lbs. at 22 cts, lb.; 25 lbs. at 20 cts. lb.; 50 lbs. at 18 cts.; 100 lbs. at 15 cts., not postpaid.**

99. Old Dominion. This is the latest development in blight resistant spinach. Leaves are a beautiful dark green, well blistered. Plant is compact and lays low to the ground. While early in season, it is a rapid grower and stands longer than any other blight resistant type. **Pkt. 5 cts.; 2 ozs. 15 cts.; ¼ lb. 20 cts.; lb. 50 cts.; 100 lbs. at 25 cts. lb.**

59. Norfolk Bloomsdale Curled Savoy, Blight Resistant. Its growth is rapid and leaf is properly curled, which gives it a very attractive appearance. **Pkt. 5 cts.; 2 ozs. 15 cts.; ¼ lb. 20 cts.; lb. 40 cts., postpaid; 10 lbs. at 30 cts., 25 lbs. at 25 cts., 100 lbs. at 18 cts. lb., not postpaid.**

212. New Zealand (Tetragonia expansa). This is very different in character of growth, and when started early in the spring the plants will resist hot weather and produce right up until hard freezing weather sets in. An abundance of thick, fleshy succulent leaves. **Pkt. 5 cts.; 2 ozs. 15 cts.; ¼ lb. 25 cts.; lb. 75 cts..**

600. Princess Juliana. The Princess Juliana is of the long season type with large, crumpled, rich, dark green leaves. It is valuable for either Spring or Autumn planting. **Pkt. 5 cts.; 2 ozs. 15 cts.; ¼ lb. 20 cts.; lb. 40 cts., postpaid; 10 lbs., 30 cts. lb.; 25 lbs. at 25 cts. lb.; 100 lbs., 18 cts. lb., not postpaid.**

139. Tendergreen or Mustard Spinach. A cross between Mustard and Spinach with a delicious spinach flavor. It is desired by many in preference to spinach or mustard. It can be grown most of the year, being quite hardy in winter and standing hot weather as well. Leaves are gathered and boiled for greens just like turnips, mustard, spinach or kale. The flavor of tendegreen equals that of any other green. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 65 cts.**

Princess Juliana Spinach

To the Acre: 2 to 3 lbs., Large Seeded kinds. Bush kinds, 3 to 4 lbs.

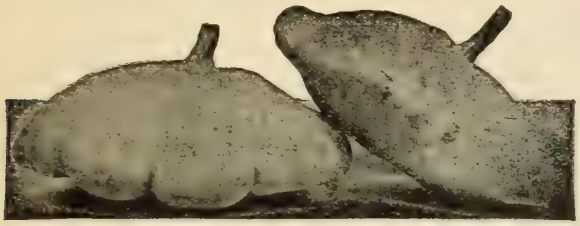
SQUASH

1 oz. Bush Varieties for 40 Hills. Large Seeded Varieties, 1 oz. 15 Hills.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.

CULTURE. Sow in hills in the same manner and at the same time as cucumbers and melons, the bush varieties 3 to 4 feet apart, and the running kinds from 6 to 9 feet apart.

There are two kinds of squashes—one for summer use for cooking in the tender green state, and the other for storing for winter use.



Farr's Benning White Bush Squash

82. Farr's Benning White Bush. ("Best in Garden Variety.") It is with great satisfaction that we can continue to offer this unrivaled Squash. For the past twenty-five years this stock has furnished the earliest squash to come on our market. In productiveness also it excels other varieties, being an exceptionally heavy cropper. The color is a beautiful green tinted white possessed by no other variety. The flavor is delicious, having few small seeds and is an excellent cooker. The strain which we offer is that originated by Mr. N. E. Farr and has been grown under our own supervision so as to constantly maintain and improve the quality. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

159. Early Yellow Summer Crookneck. A desirable table sort, very early and productive—fruits when matured small crooknecked and covered with warty excrescences. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

207. Giant Summer Straightneck. A selection from crookneck with straight, heavily warted yellow fruits. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

111. Early White Bush Scalloped, or Patty Pan. This is the earliest; grown almost exclusively for the first crop. The rind is hard texture, which makes it suitable for shipping and it is exclusively grown in the South for that purpose. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

305. Golden Custard, or Yellow Bush Mammoth. A very early, flat, scalloped variety of largest size; skin a deep orange; flesh pale yellow and well flavored. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

Early Yellow Summer Crookneck

298. Italian Vegetable Marrow or Cocozelle. Fine grained flesh of excellent flavor. Fruits large, oblong shaped, dark green at first, but as they mature become marbled with yellow and lighter green stripes. The young fruits may be fried in oil. Fine grained, tender and of excellent flavor. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

Winter Squash

140. Golden Hubbard. Fruits of medium size, weighing from six to eight pounds and in shape are like the Hubbard, although in condition for use decidedly earlier. They are long keepers and can be held over in good condition for spring use. The shell is moderately warted, hard, strong and of a beautiful orange red color, except for a bit of olive green on the blossom end. The flesh is deep-orange, dry, fine grained and richly flavored. A very superior table variety. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

Boston Marrow Squash

237. Chicago Warted Hubbard. A superior strain of mammoth size with skin heavily warted. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

152. Hubbard. A superior variety and one of the best winter keepers; flesh bright orange-yellow, fine grained, very dry, sweet and rich flavored. Bakes very dry, equally as dry as the Sweet Potato. Our stock is the very best, and we don't hesitate to recommend it to the most critical planter. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25.**

96. Boston Marrow. A splendid winter squash of good keeping qualities. Flesh bright orange, fine grain, and unsurpassed. It is oval-shaped, and thin skin of bright orange color. For pies it is equal to the best pumpkins. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.00.**

TOBACCO

CULTURE. One ounce of tobacco produces at least 10,000 plants if sown properly. It is advisable to sow as early as possible, the usual custom being to make a large fire over the place intended for the seed-bed, in order to destroy weed seeds. The ground is put in the finest possible condition, the seed sown broadcast on the surface and pressed down firmly with a plank or the back of a spade, after which the bed must be protected by cottons or covering. When seedlings get 5 or 6 inches high, they are transplanted in rows 4 feet apart, with 3 feet between the plants. Cultivate thoroughly.

255. CONNECTICUT SEED LEAF. Well-known standard variety. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.50; lb. $5.50.**

307. HAVANA. Grown from imported seed. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.50; lb. $5.50.**

292. IMPROVED WHITE BURLEY. A most popular variety. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50.**

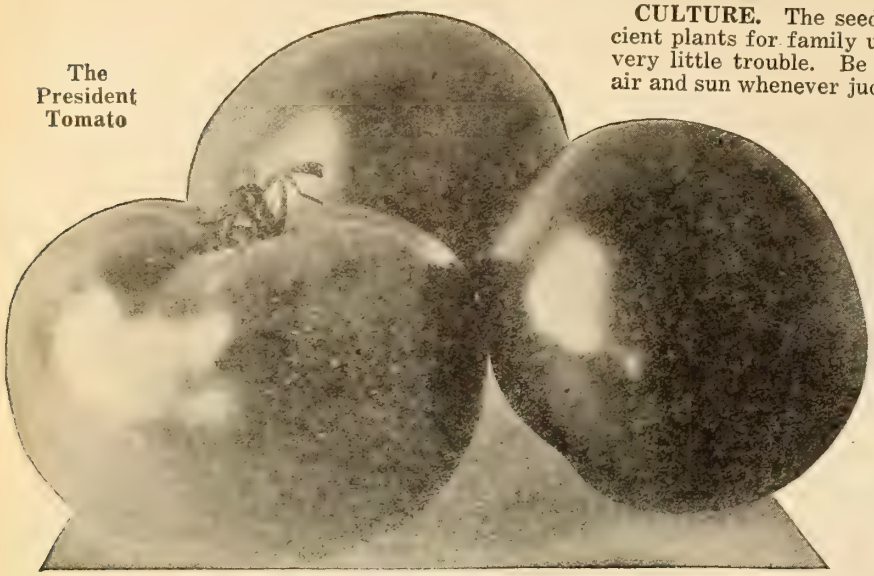
THE HOME VEGETABLE GARDEN, by E. M. Freeman. A book which shows how to grow fresh, crisp vegetables in your own garden and cut down on the grocer's bills. Full of practical details for laying out the garden, planting, and growing vegetables successfully. 8 illustrations, 214 pages. $1.75

We Prepay Postage on All Tomato Seed.

TOMATO

6 to 8 Ozs. to an Acre; 1 Oz. to 1,500 Plants.

The President Tomato



CULTURE. The seed may be started in hotbed in March, or sufficient plants for family use can be grown in pots or boxes indoors with very little trouble. Be particular to give plants the benefit of fresh air and sun whenever judicious, for the purpose of hardening them, and cover with mats when necessary to prevent them from frosting. The two extremes of heat and cold are equally injurious. It is customary with the best gardeners to remove the plants from hotbeds to the cold frames, allowing a distance of several inches between the plants. In May select and prepare the soil and set the plants 3 feet each way. Hoe and draw earth to the stems. When the plants crowd, the fruit will be small. Have the soil very rich. For general crop sow from the middle of April or during May, in the open air, selecting good soil in a location much exposed to the sun and sheltered by a hill or woods on the north.

173. I. X. L. Bolgiano's Extremely Early Tomato. Early, largest, most prolific. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

Red Tomatoes

332. Pritchard or Scarlet Topper Tomato. **("Best in Garden" Main Crop Variety.) (See outside front cover.)** Wilt-resistant, mid-season main crop variety. Heavy cropper of scarlet, globe-shaped fruits. Fruit very heavy, inside color beautiful red, desirable for canning. Abundant foliage to protect from sun scald. Excellent tomato for the home garden and market gardener as well as long distance shipper. **Pkt. 15 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50, postpaid.**

257. Break O'Day Tomato. **("Best in Garden" Extra Early Variety.)** An extra early perfect globe hybridized from Marglobe and other earlier tomatoes. Almost as early as Earliana. All the wilt and disease resistance qualities of Marglobe but at least two weeks earlier. Good shipper. Beautiful red. Stands hot and dry weather. No acid. Deliciously sweet flavor. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4.00, postpaid.**

77. The "President" Tomato. Beautiful bright red color; mild, delicious flavor. Produces very few seeds; ripens earlier than many varieties planted for early use; a marvelous yielder, producing vines that are fairly loaded with fruit. **Pkt. 10 cts.; ½ oz. 25 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50, postpaid.**

244. Marglobe Tomato (Arlington Strain). Strong, healthy, disease resistant vines which continue to thrive and produce fruit long after other varieties have gone. Perfectly globe shaped, of a beautiful red color. Second early main crop. Delicious flavor, free from acid; very meaty; good shipper. Excellent for the home garden. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50, postpaid.**

275. The Bolgiano Tomato. **The Potato Leaf Tomato.** Blossoms continually. Every vine is just loaded with perfect red solid tomatoes all during the season. The Bolgiano Tomato is two weeks earlier than Earliana. First fruit just as perfect as the prime fruit of the season. The heavy potato leaf foliage protects the fruit from sun scalds and blisters. The large stem set clusters make it a profitable tomato for the grower. Never have we received such acknowledgments from any of our own creations as we have the "Bolgiana" tomato. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

249. The Washington Tomato. A marvelous wilt-resistant tomato. A heavy yielding main cropper, perfectly smooth, solid, rich red and meaty. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50, postpaid.**

335. John Baer. Here is a general favorite for the home garden. Although small, the fruit is more perfectly round than any other variety. Being absolutely coreless, their flesh is solid meat throughout, having no waste when slicing or canning. The flavor is mild and sweet. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 90 cts.; lb. $3.25.**

155. Bonny Best. Here is an old favorite that has been continuously selected for earliness, solidity, smoothness, and evenness of ripening. It is a vigorous grower producing bright red fruit throughout the season. The heavy foliage is a good protection against sunscald. **Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

138. Earliana Improved. This is Bolgiano's special strain, developed to retain the earliness for which this tomato is famous and to produce heavier crops of more even, smoother fruit than the old type. It can always be depended on to produce a crop at the season when crops pay best. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

340. Chalk's Early Jewel. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

Marglobe Tomato (Arlington Strain)

TOMATO

We Prepay Postage on All Tomato Seed.

Red Tomatoes—Continued

61. Stone. This is an old favorite for main crop tomatoes. Our strain is much finer than that first introduced, being very large, solid, without core and not subject to cracking. It is a good keeper, not subject to rot and a good canner. **Pkt. 5 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50.**

72. Bolgiano's Greater Baltimore. Being a deeper, more blocky tomato than Stone, Greater Baltimore has become a universal canning favorite It produces an unusually heavy tonnage per acre, having fine shaped fruit, very heavy, firm and meaty. For main and late crops it is also popular among home and market gardeners. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 80 cts.; lb. $2.75.**

178. Livingston's Favorite. The fruit ripens evenly, is always smooth and holds its size to the end of the season. Flesh is of good flavor and very solid. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

172. My Maryland. This is a main crop tomato of fine quality, producing vigorously average sized fruit that is smooth and of good flavor. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

Pink Tomatoes

227. Ox Heart. A main crop, large fruited variety of distinct appearance and perfect quality. Heart-shaped, rosy pink, and very solid fleshed, with few seeds. Single fruits often weigh two pounds or more. Mildly acid and of pleasing flavor. Home gardeners have given this new variety an enthusiastic reception. 85 to 90 days. **Pkt. 10 cts.; oz. 75 cts.; ¼ lb. $2.60; lb. $10.00, postpaid.**

44. June Pink. An extremely early pink variety often called the Pink Earliana. For those who prefer the pink type this will produce earlier than other pink sorts. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25; lb. $4.50.**

277. Livingston's Globe. This variety is very popular among those in the Southern States who ship green wrapped tomatoes, for it is very firm and will stand long distance hauling well. Second early in season and very productive. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.05; lb. $3.75.**

Improved Livingston's Globe Tomato

FOR MANY YEARS TOMATO SEED HAS BEEN OUR LEADING SPECIALTY

Greater Baltimore Tomato

47. Bolgiano's Grand. Is quite generally favored by local market gardeners. It produces an abundance of large, smooth, deep pink fruits, that sell well in competition with other types. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

90. Bolgiano's Prize-Taker. Its glossy purplish-pink color, combined with size, weight and productiveness make it profitable to the market gardener. It can be picked before it is ripe and will ripen finely, making it one of the best shippers. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

185. Ponderosa. Being largest tomato that grows, it is decidedly a family favorite. It is less seedy than any other variety and of mild flavor. Quite often called the "Beefsteak." **Pkt. 10 cts.; oz. 50 cts.; ¼ lb. $1.65; lb. $6.00.**

52. Livingston's Beauty. Fine, large, purplish pink. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

183. Trucker's Favorite. A very large, purple tomato, free from crack or rot **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00; lb. $3.50.**

151. Acme. Very early; good size; purple in color; good bearer. **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 85 cts.; lb. $3.00.**

163. Dwarf Champion. Dwarf habit, early, prolific; of a pink-purplish color. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. $1.15; lb. $4.00.**

Yellow Tomatoes

276. Golden Queen. Large, solid, bright yellow; favorite with home gardeners; delicious flavor. **Pkt. 10 cts.; oz. 40 cts.; ¼ lb. $1.25.**

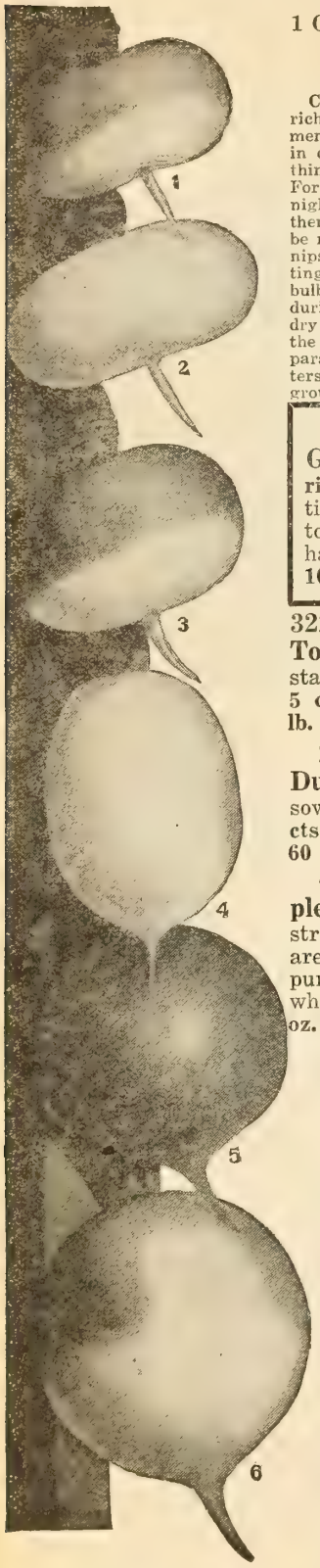
164. Pear-Shaped Yellow. Bright yellow, used for preserves. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35.**

196. Plum-Shaped Yellow. Bright yellow, used for preserves. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35.**

330. Red Cherry. Little fruits; bright red. **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.35.**

1 Oz. for 200 Feet Drill. **TURNIPS** 2 Lbs. for the Acre.

Prices Include Postage on Pkts., Ozs., ¼ Lbs. and Lbs.



1. Early Milan Purple Top.
2. Early White Flat Dutch.
3. Purple Top Strap Leaf.
4. White Egg.
5. Golden Ball.
6. Purple Top White Globe.

CULTURE. They do best in highly enriched, light, sandy or gravelly soils. Commence sowing the earliest varieties in April in drills from 12 to 15 inches apart, and thin out early to 6 to 9 inches in rows. For a succession sow at intervals of a fortnight until the last week in July, from then until the end of August sowing may be made for the fall and main crop. Turnips may be preserved until spring by cutting off the tops about 1 inch from the bulb, storing in the cellar or cold shed during the winter, covering the roots with dry sand. They should be harvested before the severe frost sets in, for, though comparatively hardy, few will survive the winters of the Northern States in the open ground.

110. Purple Top White Globe. ("Best in Garden" Variety") Our stock is the perfection of Turnips. It has small tops, but large, well-formed handsome roots. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

322. Early Red, or Purple Top Strap-Leaf. A well-known standard, popular, early sort. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

202. Early White Flat Dutch. Very popular for spring sowing; fine for market. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

84. Extra Early Milan Purple Top. Tops are very small, strap-leaf, and grow erect. Roots are small and flat; skin purple to pure white below. Flesh is clear white. It's a beauty. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

179. Extra Early White Milan. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. 85 cts.**

62. White Egg. Is very handsome; pure white; excellent for early or late. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

177. Golden Ball, or Orange Jelly. One of the sweetest flesh yellow Turnips yet introduced; not of large size, but firm, hard, and of excellent flavor; good keeper and superior table variety; of bright golden orange color. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

119. Yellow, or Amber Globe. Vigorous grower; fine keeper. A very desirable variety, attaining large size. The roots are rather oval-shaped, flesh orange-yellow. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

180. Long Cow Horn, or White French. A heavy cropper, best for stockmen. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

171. Shogoin or Japanese Turnip. This variety is very popular in the South. Very valuable for turnip greens. The leaves grow upright, about 2 feet high when fully developed which makes it free from insects. The roots are pure white, between flat and globe shaped. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

176. Seven Top. Very hardy; grown for leaves, which are used for salads. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 50 cts.**

232. Pomeranian White Globe. Good either for table or stock; very productive. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

RUTABAGA

136. Ashton Market. It is a market gardener's stock developed by market gardeners. It has been most successfully grown by the market gardeners in and around Washington for the past several years. It is not a large type, more to the medium. It is an early sort, regular in shape, even in size, globe shaped and with very few exceptions neckless. It will pay you to give it a trial. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 40 cts.; lb. $1.35.**

148. Long Island Special. This selection produces little or almost no neck at all, making it an ideal for the trucker. Excellent variety for table use. Flesh, golden; very sweet, not the least bit stringy or tough. Far superior to any of the other varieties, and much nicer than the Swede Turnip. Solid and crisp until spring. Never gets pithy. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

42. Tankard, or Elephant. A yellow fleshed sort, having very large, tankard shaped roots with relatively small neck and tops. The color is purplish-red above ground, yellow beneath. The flesh is very solid, fine grained and sweet. Sometimes sold as Elephant or Jumbo. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 20 cts.; lb. 60 cts.**

HERBS

All gardens should have some space devoted to the more important Pot Herbs. A few varieties are grown solely for the seed produced, which is used for flavoring cakes, bread, confectionery, etc. The young stems and leaves of the plants used for flavoring may be gathered in the green state, or in the fall the entire plant may be pulled up and carefully placed in a dry room, and thus assure a winter's supply.

	Pkt.	Oz.	¼ Lb.	Lb.
286. ANISE. Seed used for flavor	10c	25c	50c	$1.50
254. BASIL SWEET. Culinary herb used for flavoring soups, etc.	10c	25c	85c	3.00
287. CARAWAY. Cultivated for its seeds	10c	20c	50c	1.50
265. CATNIP. Leaves are used for seasoning	10c	45c	1.50	5.50
288. CORIANDER. Seeds are used for flavoring	10c	15c	40c	1.50
262. DILL. Mammoth. For sowing. Seeds used for flavoring vinegar	10c	15c	35c	1.00
256. FENNELL FLORENCE. Grown for the enlarged leaf stalks	10c	25c	85c	3.00
294. FENNELL SWEET. Leaves used in sauces	10c	20c	50c	1.50
279. LAVENDER. True. For oil and distilled water	10c	25c	75c	2.50
258. MARJORAM. Sweet. Is used for seasoning	10c	25c	60c	2.00
280. SAGE. Bread-leaf. A culinary herb; also used in medicine	10c	25c	75c	2.50
268. SUMMER SAVORY	10c	25c	60c	2.00
267. THYME. Broad-leaved English	10c	35c	1.15	4.00

Bolgiano's "Capitol Brand"

Grass, Clover and Forage Seed

THE VERY BEST HIGHEST STANDARD QUALITY

FOR PRICES, SEE PINK SHEET INCLOSED

A Field of Alfalfa Grown from Bolgiano's "Capitol Brand" Alfalfa Seed

Alfalfa, or Lucerne (Medicago sativa). Requires deep, rich, well-drained soil. The taproot descends often to a depth of 10 to 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It may also be sown as late as August and up to the middle of September in more southerly localities. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, 1 to 3 feet.

Mammoth, or Sapling (Trifolium pratense perenne). Is similar to Red Clover in appearance of seeds and habits of growth, the difference being larger growth and later maturing. It is often used for hog pastures. As a soil improver to plow under it is considered superior on acount of its extra growth. It is a good variety for thin soils or to seed with Timothy, Meadow Fescue, Herd's Grass or Red Top, as it matures about the same time as these grasses. Sow 10 to 12 lbs. to the acre when sown alone. When sown with Timothy use 6 lbs. Sapling Clover and 8 lbs. Timothy to the acre.

Crimson or Scarlet (Trifolium incarnatum). New Crop. The Great Nitrogen Gatherer. The best crop for hay, soiling and green manuring. Fall, Winter and Spring pasturing. Crimson Clover furnishes an abundance of nutritive forage at seasons when pastures are dead. It is an unfailing supply of manure. It solves the problem of cheap manuring. It is a great nitrogen gatherer and economizer in the use of fertilizers. Valuable for planting in orchards, berry patches and for sowing among cultivated crops, such as Cabbage, Corn, Tomatoes, Cotton, Tobacco. Improves poor land, restores to fertility those that have been worn down by excessive cropping. May be planted in the Spring, Summer or Fall. Splendid for reseeding Red Clover that has been Winter killed. Sow 15 lbs. to the acre.

Alsike, or Hybrid (Trifolium hybridum). Alsike Clover grows thicker and is finer in growth than Red Clover, making better hay and probably more and better grazing. It is also hardier, resisting extremes of heat and drought and also severely cold weather to a remarkable extent. It is perennial and does not Winter kill. It succeeds on a variety of soils, light upland loamy lands as well as stiff bottom lands. It will do better on moist land than any other Clover. It is surer to give a good stand and make good crops than either the Red or Mammoth Clover, and in sections where these Clovers have been uncertain Alsike is superseding them altogether. When sown with other grasses it forms a quick undergrowth and greatly increases the yield. Sow 8 pounds to the acre.

Japan Clover. On waste land or poor worn-out soils it will furnish excellent, nutritious pasture. Sow at the rate of 10 pounds per acre in March or April.

White Clover (Trifolium repens). Some White Clover is usually included in Lawn Grass Mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, 1 or 2 pounds; if alone, 8 or 10 pounds to the acre.

White Sweet Clover (Melilotus alba). Valuable sort for soiling, ensilage and bees. Grows from 3 to 5 feet high; sown in rich soil, may be cut three times; lasts for years if cut before flowering. Ten pounds to the acre.

Medium Red, or June (Trifolium pratense). This is regarded as the most valuable of the Clover family and is largely used for pastures and hay. Clover adds greatly to the fertility of the land on which it is grown. It does not exhaust the soil, but enriches it. It makes two crops each year. The first is usually cut when it is in blossom for hay. The last crop may be harvested for seed, cut for hay or plowed under to add fertility to the soil. For hay, it is particularly well adapted for sowing with Orchard grass and Timothy, as it ripens at the same time, and sowing these three grasses together will give larger yields and better quality hay than sowing either alone. It is also largely sown with other grasses, both for hay and pasturage. Sow in Spring or Fall, and if no other Grasses are used, at the rate of 8 to 12 pounds per acre; more is required on old, stiff soils than on new and lighter ones.

Poa Trivialis (Rough Stalked Meadow Grass). Recommended for shady places. It is a fine leafed, even turf-forming grass, and used mostly for fine lawns, although it is valuable as a bottom grass in pasture mixtures.

Kentucky Blue Grass (Poa pratensis). This grass is not only the best for lawn purposes, but makes the sweetest and most nutritious pasture for all kinds of stock. Kentucky has long been famous for its high bred horses and its Blue Grass pastures. It is now possible to establish on most any farm a Blue Grass pasture of greenest verdure which will give very profitable returns. This Grass is the first to start up in the Spring and remains green until snow flies in the Fall. It is very hardy and is uninjured by cold or dry weather, hot sun or trampling of hoofs. The roots are so thick and stout that they form a tough sod. Blue Grass requires about two years to get well started and for that reason it is often sown in mixture with other Grasses. It will do well en almost any land, but does best on well drained clay land. Sow in the Fall or Spring at the rate of two or three bushels per acre.

Bermuda Grass. Especially adapted for golf fairways and summer greens in the south where other grasses will not grow. Withstands drought and scorching Summer Sun better than any other variety. Has exceptionally long heavy root system. Covers bare spaces by long overground runners. Dies down completely in winter. Sow it at the rate of 5 to 6 pounds to acre.

Timothy (Phleum pratense). The most valuable of all grasses for hay, especially in the North. Thrives best on moist, loamy soils of medium tenacity. It should be cut just when the blossom falls. Sow early in the spring or fall, at the rate of 12 pounds per acre with Clover, 10 lbs. Timothy and 6 lbs. Clover. A splendid mixture is 8 lbs. Timothy, 6 lbs. Clover (either Mammoth Clover or Alsike Clover preferred, as they mature at the same time as Timothy), 6 lbs. Fancy Red Top, ½ bushel Meadow Fescue. Together these will produce most excellent hay, also nutritious and abundant pasture in good loamy clay or low ground soils.

Red Top (Agrostis vulgaris). In Pennsylvania and States farther south this is known as Herd's Grass, a name applied in New England and New York to Timothy. It is a good, permanent grass, standing our climate well, and makes a good pasture when grazed close. Is valuable for low, wet meadows, producing a large return in good hay. When sown alone, use about 12 pounds of the fancy seed per acre. Sow in spring or fall.

Orchard Grass (Dactylis glomerata). Desirable on account of its quick growth and valuable aftermath. It is ready for grazing in spring two weeks sooner than most grasses, and when fed off is again ready for grazing in a week, and will continue green when other grasses are withered by dry weather. It is palatable and nutritious and stock eat it greedily when green. A tendency to grow in tufts unfits it for lawns. It does better if sown with clover, and as it ripens at the same time, the mixed hay is of the best quality. If sown alone, about 28 pounds are required per acre; if sown with clover, half that quantity. Perennial and will last for years.

Sudan Grass It is a tall annual Grass reaching a height of 7 to 9 feet when planted in rows and allowed to mature for seed crop; broadcasted and cut in the bloom for hay, about 4 feet. It is easily cured and handled as hay crop. Stock of all kinds eat it readily and will leave any other hay for it. The food value is second only to Alfalfa. Should not be planted until the soil becomes warm in the Spring. Two to four cuttings per year can be obtained when sown broadcast for hay; the number of cuttings secured depends upon the length of the season and the moisture. The first crop will mature in from 50 to 60 days, and the second crop is ready for harvesting in from 20 to 30 days. Three tons of cured hay per cutting per acre has been secured and three cuttings made. It is a great drought resister and is particularly adapted to semi-arid regions. It is an annual and must be seeded each Spring. When seeded in rows 18 to 30 inches apart, drill 4 to 6 pounds. When sown, 16 to 24 pounds per acre.

Perennial Rye Grass (Lolium perenne). A very valuable variety for permanent pasture. Succeeds well on almost any soil, but is particularly adapted to moderately moist or irrigated lands. Sow 30 to 40 pounds per acre in spring.

Italian Rye Grass Yields three or four cuttings a year of most nutritious hay; a very valuable grass, particularly adapted for rich, loamy soils or low grounds; does better in damp situations than other grasses. Recommended principally for fall seeding. Sow 30 to 35 pounds to the acre.

Creeping Bent Grass Similar to red top or Herd's Grass and considered as good, if not better, than that variety. Distinctive on account of its compact, rooting stems which hold in the soil in a tenacious way. Of rapid growth and spreading habit, forming a strong, durable turf. Fine for lawns and putting greens because of its fine texture. If sowing alone use 50 pounds to the acre.

Sheep Fescue Lands that are worthless for growing other fine grazing grasses can be made of value by growing sheep fescue, for it will grow on thin, dry, sandy and rocky soils where few grasses will live, and will stand any amount of drought. Does not grow so tall and does not have to be turned so often. Used in the rough on golf courses (14 lbs. to the bushel).

Red or Creeping Fescue. A creeping rooted variety forming a close and durable turf and particularly suited for dry, sandy soil. Resists drought and thrives on very poor soils, gravelly banks and exposed hillsides. Valuable for shady lawns and for golf courses. Sow 30 pounds to the acre if used alone.

Bolgiano's Permanent Pasture Mixtures

These mixtures are composed of only the best strong germinating seeds and are sure to give satisfaction.

For Uplands. A special mixture of the best grasses and clovers for establishing a permanent pasture.

For Lowlands. A mixture of grasses and clovers adapted for moist or slightly sour lowlands.

Bolgiano's "Capitol Brand" Timothy Seed

Hairy Vetch (Vicia villosa) It is very hardy, is valuable as a winter cover crop to prevent leaching, and for forage and fertilizing purposes. It is an annual. It succeeds well on nearly all soils and thrives surprisingly on poor, light land and will endure extremes of drought, heat and cold. It improves the soil, being a great nitrogen gatherer. The roots bear innumerable nodules or nitrogen gathering bacteria. These take the nitrogen from the air and restore it to the soil, where it is so much needed. It belongs to the Pea family, but the vines are much longer and the foliage is more abundant. It may be sown either in the spring or fall with about half a bushel of Rye or Oats for support. It grows rapidly and is particularly valuable in sections where Clover does not thrive. In the North it remains green all winter under the snow, and it is invaluable for early pasturing. 50 to 60 pounds of seed required to the acre.

Spring Vetches or Tares Closely associated with Peas in character. Used for the same purpose as Hairy Vetch, but must be planted in the spring wherever the winters are severe, as this variety is not so hardy as Hairy Vetch. Highly valuable for soiling or for green manuring. Sometimes grown with Oats for mowing and feeding to stock. Sow alone 70 to 90 pounds per acre, and if with Oats, 60 pounds of Vetch and 40 pounds of Oats.

Dwarf Essex Rape It is an annual, bearing a close resemblance in leaf and stalk to the Kale, but both leaves and stalks are more numerous in the Rape plant, and of a taller habit of growth. It is a pasture plant which may be eaten off by any kind of live stock. But is is pre-eminently fitted to furnish pasture for sheep, cattle and swine. Under favorable conditions Rape is ready for pasturing sheep or cattle within six weeks from the time of sowing.

Tennessee Cultivated Golden Millet. This variety is extensively used throughout the United States, as they find it more nutritious in value for feeding. It is grown at the same time and at the same rate per acre as the common Millet. Growers once using the Tennessee Cultivated Millet will never plant any other kind. Grows more vigorous, gives a much larger yield of hay.

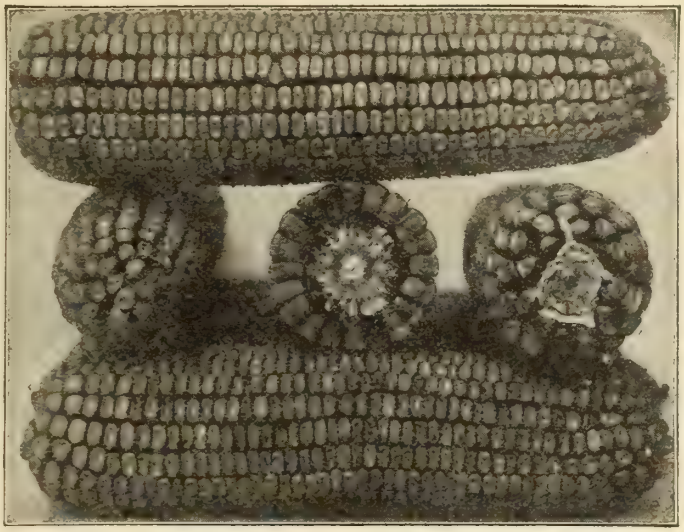
Burt or 90-Day Oats The earliest, most prolific and surest cropping of Spring Oats; far superior to an ordinary Spring or rust-proof Oats for Spring seeding. Wherever this Oat is grown it comes into great favor.

Virginia Gray Winter or Turf Oats When sown early, before the middle of March, these Oats will far outyield the ordinary Spring Oats, making a larger crop and heavier grain.

Bolgiano's "Capitol Brand" Field Corn

FOR PRICES, SEE PINK SHEET INCLOSED

BOLGIANO'S "CAPITOL BRAND" FIELD CORN, is grown specially for our trade in the best producing sections and will please and make you a sure crop. Our stock is all hand shelled and graded. Only good sound ears are taken from healthy stalks.



Bolgiano's Famous "Capitol Brand" Field Corn

YELLOW CORN

Bolgiano's Prosperity Corn. If you really want to grow a bumper crop of beautiful Yellow Dent Corn this year, just take our advice and plant Bolgiano's "Prosperity" Corn. The fine, large, stately ears are 12 to 14 inches long, 8 to 11 inches in circumference and have from 20 to 24 uniform rows of long, large kernels, well developed over tip and butt. It is a luxuriant grower, from 12 to 15 feet high, and if planted during the first half of May will mature before the 20th of September. For more than a score of years "Prosperity Corn" has been under the most watchful breeding and selection.

Reid's Yellow Dent This is a splendid Yellow Dent variety with 18 to 24 rows of kernels on an ear. The cob is small and red and the grains are very close together, so there is scarcely any room between the rows. Reid's Yellow Dent has been awarded more prizes at Corn shows than any other variety except "Prosperity." The ears average 8 to 10 inches long. Matures 90 to 100 days.

White Kaffir Corn Makes nutritious food for stock and poultry. Kaffir Corn in the last few years has been generally sown with Cow Peas, broadcast, at the rate of a peck of Kaffir Corn to a bushel of Cow Peas per acre.

Evergreen Broom Corn, Improved An excellent variety; is a good length, fine, straight and has a green appearance when ripe, and sells at the highest market price. Sow in drills 3 feet apart and thin out to 3 inches. Sow 5 pounds per acre.

WHITE CORN

Boone County White (Pedigreed Stock) A pure white corn on a white cob. Very deep grain, not overly wide. Rows generally 20, sometimes 22 to 24. A perfect shape. That is the striking thing about it—big, long ears, beautiful shape, perfect butts and tips, and deep grains. We believe this to be the best all-around White Corn in existence. It is a heavy yielder; has small cob and produces good-sized fodder, free from barren stalks. Matures in 110 days.

"Hickory King" White Corn So large are the grains and so small the cob that on an ear broken in half a single grain will almost cover the cob section. Of a strong growth, the stalks take a firm hold in the ground and stand upright. It yields splendid crops on light soils and is undoubtedly the best and most productive White Field Corn for the South.

Eureka Ensilage Corn The very best Silo Corn on the market. For many years we have used great care in the selection of our seed, which will give a large amount of fodder, 3 or 4 long, slender ears of Corn to the stalk. Grows to a height of 15 feet. Can be sown in hills or planted in checked rows. It is a very rapid grower and can be grown throughout the United States with wonderful success. Growers should not miss planting this special variety of ours for their Silo Corn.

Sorghum Furnishes a large yield of most nutritious forage, which can be fed either green or cured, and will yield 2 or 3 cuttings a year, stooling out thicker each time it is cut. It grows 10 to 12 feet high. Sow broadcast for forage at the rate, of 1 to 1¾ bushels to acre. When sowing in drills, sow at the rate of 1 peck per acre in drills 3½ to 4 feet apart.

Bolgiano's "Capitol Brand" Cow Peas and Soja Beans

The Soil Improvers—Make Poor Land Rich—A Splendid Hay Crop

Whippoorwill Cow Peas An early variety; grows upright, vigorous, and the crop is easy to harvest. We sell more of this variety than any other, and consider it the best for general purposes.

Black Cow Peas Seed medium sized and black. Vines trailing. Seed matures early.

Clay Peas Seeds medium sized and cream colored. Vines grow tall and erect. Seed matures medium late.

Black Eye Vines erect. Seeds medium sized and white; matures medium late.

Groit A fine early maturing Cow Pea somewhat resembling New Era in appearance and size of seed, but makes a larger growth. Very highly recommended as an early maturing, large yielding variety.

Mixed Cow Peas. We strongly recommend sowing Mixed Cow Peas as a soil improving crop. The upright growing varieties holding up the vining varieties, they will make a much better growth and give more satisfactory results.

Canada Field Peas Here is a crop which is not only profitable, but will return to the land the much needed nitrogen. Peas are second only to Clover in their soil enriching properties and can be grown under almost any condition of soil or climate. There is always a ready market for Peas, or they can be profitably ground and fed to the stock. The vines make rich, nutritious hay.

Mammoth Yellow Soja The largest growing and most popular Soja Bean for forage purposes, although a little later in maturing than other varieties.

Tar-Heel or Mammoth Black Soja Slightly earlier than Mammoth yellow and produces about same amount of forage.

Wilson Black Soja Very small seed, matures in about ninety days, can be grown in the Northern States where an early variety is desired.

Virginia Soja Beans About twenty days earlier than the Mammoth Yellow. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure.

Japanese Buckwheat It has the advantage of remaining for some time in bloom and produces seed earlier. It resists drought and blight very well. Sow 1 bushel per acre.

Bolgiano's Selected—Superior Quality

Those Varieties Marked R. G. Are Adapted to Rock Garden Culture

STARTING SEED INDOORS. A month before you expect to set the started plants outdoors fill a flat wooden box one inch deep with coal ashes or small stones and cover that with an inch of finely sifted rich soil. Sow the seed thinly, cover about one-eighth of an inch and press firmly. Cover with a pane of glass and two thicknesses of newspaper to prevent too rapid evaporation. Keep in a temperature between 60° and 70° and water regularly and carefully. When the seeds have germinated remove the glass. When large enough to handle, transplant one inch apart in a similarly prepared box where they may be kept until time to set outdoors.

STARTING SEED OUTDOORS. A fine seed bed is necessary and the seed should not be planted deeper than four times their size. Special cultural directions on each package of seed.

CLASSIFICATION. Annual flowers are those which grow from seed, bloom, produce seed and die in one year. Biennials bloom the second year and die. Perennials live on from year to year and generally do not bloom the same year the seed is planted. A signifies annual; B biennial; P perennial.

AMERICAN ASTERS A.

Asters are one of the most popular annuals and do well everywhere. Seed may either be planted early indoors or later in the open border. We suggest that you include some of the named varieties in your order.

NEW CALIFORNIA GIANTS

This splendid new strain bears wonderfully formed flowers of the Featherbloom type five to six inches in diameter, each one packed with broad petals that twist and interlace in a most beautiful fashion. The strong plants grow 3 to 3½ ft. high with stems 18 to 24 inches long. Season, medium to late. We offer the following colors:

1003. Peach blossom. **1005.** Deep rose.
1004. Dark purple. **792.** Light purple. **1006.** White.

Pkts. 10 cts.; ¼ oz. 75 cts.; oz. $2.50.

793. CALIFORNIA GIANTS MIXED. Pkt. 10 cts.; ¼ oz. 60 cts.; oz. $2.00.

HEART OF FRANCE ASTER

794. As beautiful a red as the purest ruby. The flowers are borne on strong branching plants 2 ft. high, during September and October. Their glowing beauty commands instant admiration. Pkt. 10 cts.; ¼ oz. 60 cts.; oz. $2.00.

NEW CALIFORNIA SUNSHINE ASTERS

791. The Sunshine Asters are a truly beautiful type. The plants form well-branched bushes and carry an abundance of excellent large flowers. The blooms themselves are most artistic. The outer petals are long and narrow whereas the center petals are tubular with a small four-pointed star at the end. Choice mixed. Pkt. 10 cts.; ¼ oz. 50 cts.; oz. $1.50.

ASTERS P.

996. MICHELMAS DAISY. One of the showiest of our late flowering perennial plants; star like single flowers. If sown early in spring will flower the same season. Choice mixed. Pkt. 10 cts.; ⅛ oz. 35 cts.

New California Sunshine Asters

CREGO'S GIANT COMET ASTERS

Large flowers four to five inches in diameter. The petals are beautifully curled and twisted much like Japanese Chrysanthemums.

777. White **779.** Lavender. **781.** Purple.
778. Pink. **780.** Azure blue.

The above varieties, Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.

782. CREGO'S GIANT COMET MIXED. Many colors. Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 90 cts.

AMERICAN BRANCHING ASTERS VICK'S BRANCHING

Large double flowers, fine form. Plants 2½ to 3 feet high, branching and robust habit.

783. White. **787.** Azure blue.
784. Pink or Mary Semple. **788.** Purple.
785. Crimson.

The above varieties, Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.

789. AMERICAN BRANCHING MIXED. Many colors. Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 90 cts.

QUEEN OF THE MARKET ASTERS

790. The earliest aster, producing a profusion of fine blooms. Mixed. Pkt. 10 cts.; ¼ oz. 30 cts. oz. $1.00.

AGERATUM A. (Floss Flower)

795. BLUE CAP is the best dwarf Ageratum yet offered. The flowers are large and of a deep rich blue color. The foliage is small and the plants have the appearance of miniature domes, making it ideal for pot culture or for edging beds or borders. Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.50.

796. DWARF VARIETIES MIXED. Shades of blue and white. Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 50 cts.

AGROSTEMMA P.

797. ROSE OF HEAVEN. Crimson red bells against silvery foliage. One plant will make over a hundred blooms during June and July, about 18 inches high. Pkt. 10 cts.; 1 oz. 30 cts.

ALYSSUM A. R. G.

798. LITTLE GEM (or Carpet of Snow). Dwarf spreading plants about four inches high and covered with a mass of white bloom. Excellent for boxes or edging the flower beds, walks, etc. **Pkt. 5 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

786. LILAC QUEEN. A very pretty deep lavender lilac of dwarf compact habit; height 6 inches. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 65 cts.**

799. SWEET ALYSSUM (A Maritimum). Trailing habit, white flowers; height about 10 inches. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.**

ALYSSUM P. R. G.

981. SAXATILE COMPACTUM (Basket of Gold.) An ideal hardy perennial plant, flowering in May; showy golden yellow flowers; excellent for rock work; height, 9 inches. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

ANCHUSA A.

991. CAPENSIS (Cape Forget-Me-Not). A splendid blue annual variety, blooming all summer. 18 inches. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.**

ANCHUSA P.

986. ITALICA "DROPMORE." A hardy perennial plant with flowers of a lovely gentian blue; 3 to 4 feet. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

ANTIRRHINUM A. (Snapdragon)

TALL MAXIMUM GIANT FLOWERED. This wonderful new type grows 4 to 5 feet high. Blooms measure 2 to 3 inches across and are closely placed on the stem.

802. Apple Blossom. Soft pink.

1007. Canary Bird. Canary yellow.

The above two, **10 cts. per pkt.; ¼ oz. 50 cts.; oz. $1.75.**

803. TALL MAXIMUM GIANT FLOWERED. MIXED.

All the above and many other brilliant colors. **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.**

MEDIUM LARGE FLOWERED. R. G. A fine type especially for bedding purposes, growing about 18 inches high.

1056. Firebrand. Brilliant fiery scarlet.

1010. Silver Pink. Soft pearly pink.

The above **10 cts. per pkt.; ¼ oz. 30 cts.; oz. $1.00.**

805. MEDIUM LARGE FLOWERS. MIXED. Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 90 cts.

BLUE LACE FLOWER A.

932. DIDISCUS CAERULEA. The plants grow 2 feet high and branch freely, each stem crowned with an umbel of delicate, sky-blue flowers resembling Queen Anne's Lace. It is easy to grow and blooms from July to November. **Pkt. 10 cts.; ¼ oz. 25 cts.; ½ oz. 40 cts.; oz. 75 cts.**

Rock Gardens

Rock Gardens are becoming more and more popular. In most any garden at least a small Rock Garden can be made. Those varieties marked R. G. are adapted to Rock Garden culture.

AMARANTHUS A.

976. MOLTEN FIRE, also known as Summer Poinsettia. This wonderful variety originated by Luther Burbank and is the most brilliant of this brilliant family. Grows about 4 feet tall. The foliage is bronzy crimson, each branch terminating with a large crown of iridescent fiery rose, resembling much both in color and shape the Poinsettia. **Pkt. 10 cts.; ¼ oz. 50 cts.; oz. $1.75.**

800. TRI-COLOR OR JOSEPH'S COAT. Brilliantly colored leaves. Height about thirty inches. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

801. LOVE LIES BLEEDING. (Caudatus). Beautiful drooping red spikes. Easily grown, useful for borders and centers of beds; height about 3 feet. **Pkt. 10 cts.; oz. 20 cts.**

ARABIS P. R. G. (Rock Cress)

993. ALPINA. Early spring flowering perennial; especially adapted for edging and rockery; pure white blossoms April-May; 6 inches. **Pkt. 10 cts.; ¼ oz. 50 cts.**

BACHELOR'S BUTTON (Corn Flower) A. R. G.

Also known as Blue Bottle, Ragged Sailor, Bluet and Ragged Robin. An old favorite, easily grown and blooms profusely from July until frost. Height, 2 feet.

806. DOUBLE BLUE (Florist's Strain). Pkt. 10 cts.; oz. 25 cts.

804. DOUBLE RUBY RED. Similar to "blue" except a striking new, rich deep ruby red color. **Pkt. 10 cts.; oz. 25 cts.**

807. DOUBLE DWARF MIXED. Many colors. **Pkt. 5 cts.; ½ oz. 15 cts.; oz. 20 cts.**

BALLOON VINE A.

"Love in a Puff"

808. An attractive climber of quick growth and bears profusely inflated seed capsules. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 20 cts.**

BALSAM (Lady Slipper) A.

809. DOUBLE CAMELLIA FLOWERED. All Colors Mixed. These are very beautiful for borders. The plants make perfect little bushes with brilliantly colored flowers. Some of the colors are crimson, lemon, pink, lilac and pale rose. Height, 1½ to 2 feet. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

BALSAM APPLE A.

810. A very curious climbing vine having glossy green foliage and golden yellow apple-shaped fruits. Rapid grower. Pkt. 10 cts.; ½ oz. 25 cts.; oz. 40 cts.

Antirrhinum (Snapdragon)

CALENDULA DOUBLE A. (Pot Marigold) R. G.

Does well in cool location. Should be planted either singly or in masses. Plants grow 12 inches high, branch freely and bear throughout the season large double flowers 3 inches in diameter.

811. ORANGE KING. Rich orange red. **Pkt. 10 cts.; oz. 25 cts.**

1011. LEMON QUEEN. Lemon yellow. **Pkt. 10 cts.; oz. 20 cts.**

812. METEOR. Striped orange and cream. **Pkt. 10 cts.; oz. 20 cts.**

1012. CAMPFIRE OR SENSATION. Extremely large flowers; color, rich orange with a scarlet sheen. Makes a very attractive flower. Excellent for cutting. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

813. DOUBLE MIXED. A fine mixture of yellow and orange shades. **Pkt. 10 cts.; oz. 20 cts.**

987. RADIO. The petals of the large, perfectly double flowers instead of being flat are beautifully quilled forming an almost globular flower. Color a rich glittering orange. **Pkt. 10 cts.; ¼ oz. 15 cts. oz. 40 cts.**

826. CALENDULA CHRYSANTHA. (See in color on back cover.) Many improvements have been made on Calendulus, but no other origination can begin to compare with this lovely newcomer from Australia. The large flowers are an exquisite shade of clear buttercup yellow, with long, loosely-arranged petals, which droop to give the rounded appearance found in our favorite Chrysanthemum. Fine for cutting with long stiff stems. **Pkt. 15 cts.; oz. $1.50.**

Calendula

Chinese Wool Flower

CALLIOPSIS A.

814. **TALL DOUBLE MIXED.** Bright daisy-like flowers on lengthy graceful stems. Very well liked for cutting. Height, 2 feet. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.**

CANDYTUFT (ANNUAL) R. G.

816. **GIANT HYACINTH FLOWERED WHITE.** Large elongated head with pure white florets. Desirable for cutting. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 65 cts.**

817. **DWARF HYBRIDS, MIXED.** Large flowers of rose, salmon, coral, pink and lilac. Height, 1 foot. Excellent for bedding, massing and cut flowers. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.**

CANDYTUFT (PERENNIAL) R. G.

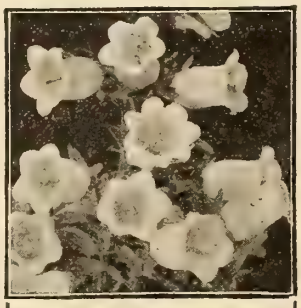
818. May and June. Six inches. Evergreen plants covered with lilac flowers shaded white. Blooms in spring and early summer. Excellent for rockeries or borders. **Pkt. 10 cts.; ¼ oz. 40 cts.; ½ oz. 75 cts.; oz. $1.35.**

CANTERBURY BELLS B.

819. **CAMPANULA MEDIUM SINGLE MIXED.** Two feet. Beautiful bell-like flowers of pink, blue and white. Blooms from early to midsummer and is certainly one of the most striking flowers among the biennials. **Pkt. 10 cts.; oz. 25 cts.**

CANNA A.

820. **MIXED.** Every one has a place for these luxuriant plants with their enormous brilliant clusters of blooms and broad leaves of green or bronze. The seed should be pierced in one spot with a file and soaked in tepid water for 24 hours before sowing. Sow early. **Pkt. 10 cts.; oz. 30 cts.**



CANTERBURY BELLS A.

See in color back cover

1014. The new annual Canterbury Bells make a plant that is loaded with flowers less than five months after the seed is sown and by making successive plantings all through the early spring we can have these lovely flowers all through the summer and fall. All colors mixed, including the various shades of blue, pink, rose and white. **Pkt. 15 cts.; ¼ oz. 65 cts.**

CARNATION A.

821. **MARGUERITE MIXED.** Height, 20 inches. Large flowers of white, pink, crimson and striped colors. These hardy favorites will bloom in late summer if planted early in the spring. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

CARDINAL CLIMBER A.

1013. Beautiful fern-like foliage bearing circular cardinal red flowers 1½ inches in diameter from midsummer until frost. Height 30 ft. **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.**

CHINESE LANTERN PLANT—See Physalis, p. 46

CHINESE WOOL FLOWER A.

824. **CELOSIA CHILDSII, CRIMSON.** A curiously attractive and brilliantly blooming plant. Many bright balls of crimson wool show off against the fresh green foliage. Height, 2 ft. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

CHRYSANTHEMUM A.

822. **ANNUAL MIXED.** Gorgeous single and double flowers on long, stiff stems. Will produce freely until frost. Height 1 to 1½ foot. **Pkt. 10 cts.; oz. 20 cts.**

CINERARIA

823. **FINE MIXED.** A house plant especially for winter decoration. Flowers 7 to 8 inches in diameter. Sow during summer. **Pkt. 10 cts.; large pkt. 25 cts.**

CLARKIA A.

825. **MIXED.** One of the most easily grown annuals, yet one of the most pleasing. Grows in sun or shade, 2–2½ ft. high. Leafy racimes of double flowers which open in water when cut. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

COBAEA SCANDENS A. (Cup and Saucer Vine)

827. A rapid grower with fine foliage. Beautiful violet colored bell-shaped flowers. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 60 cts.**

COCKSCOMB A.

828. **CELOSIA CRISTATA DWARF MIXED.** Showy dwarf growing plants about 10 inches, bearing large velvety combs. If the combs are cut before frost they may be dried and used for winter decorations. **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.15.**

COREOPSIS P.

831. **GRANDIFLORA.** 2 feet. June to October. Bears many large golden daisy-like flowers which last long as cut flowers and are very effective in the garden. **Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.**

COLEUS A.

829. **RAINBOW MIXTURE.** The showy plants are grown for their brilliant foliage, which forms the basis of the ribbon beds of foliage plants in the parks and lawns. The colors range from light to dark red leaves, are very finely marbled and spotted. **Pkt. 10 cts.; ⅛ oz. 50 cts.**

COLUMBINE P. (AQUILEGIA) R. G.

830. **NEW LONG SPURRED HYBRIDS (Improved Varieties Mixed).** 1 to 2 feet. May to July. One of the most valuable of the early flowering perennials. The long spurred blooms and lengthy stems are well adapted to use as cut flowers, but they also produce a beautiful effect when massed in the garden. They do best in a sheltered location that gets the sunshine. **Pkt. 10 cts.; ⅛ oz. 35 cts.**

CYNOGLOSSUM A. (Chinese Forget-me-not)

1016. **AMABILE.** An annual of easy culture, producing sprays of intense blue Forget-me-not flowers which are very fragrant. Height, 2 feet. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 20 cts.**

CYPRESS VINE A.

833. Mixed finely cut fern-like foliage from which protrudes hundreds of star-like flowers in white and red colors. Of very quick growth. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.**

COSMOS, GIANT EARLY FLOWERING A.

The longer blooming period given by their starting to bloom four to six weeks earlier is making this class of Cosmos very popular. Height, 4 to 6 feet.

837. Pink. 838. Crimson. 839. White.
Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.

840. **GIANT EARLY MIXED COSMOS.** **Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 75 cts.**

EARLY DOUBLE CRESTED COSMOS A.

One of the finest introductions of late years. A true Cosmos with a beautiful double crested center.

841. Pink Beauty. **Pkt. 10 cts.; ¼ oz. 75 cts.; ½ oz. $1.25.**

842. **EARLY DOUBLE CRESTED MIXED.** **Pkt. 10 cts.; ¼ oz. 40 cts.; ½ oz. 75 cts.**

1008. **LATE DOUBLE CRESTED MIXED.** Same as the Early Double Crested, only flower later. **Pkt. 10 cts.; ½ oz. 40 cts.; oz. 75 cts.**

LATE MAMMOTH COSMOS A.

843. **KLONDYKE.** Immense golden yellow blooms. **Pkt. 10 cts.; ¼ oz. 25 cts.; ½ oz. 40 cts.; oz. 75 cts.**

844. **LATE MAMMOTH FLOWERING COSMOS, MIXED.** If seed is sown during the Spring it will produce tall growing plants, which will flower freely from September to November. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 75 cts.**

Annual Chrysanthemum

DAHLIA A.

Each seedling is an entirely new variety. All of them will not be worth perpetuating, but it is from selections of seedlings that our finest new varieties are obtained. One never knows what rare and beautiful blooms he will have.

836. **COLTNESS HYBRIDS.** Neat compact dwarf plants blooming from July 'til frost. Blooms 3 inches. Many bright color combinations. **Pkt. 10 cts.; ¼ oz. 60 cts.; oz. $2.00.**

834. **DOUBLE MIXED. Pkt. 10 cts.; ¼ oz. 50 cts.; oz. $1.75.**

835. **CACTUS MIXED.** The quilled type. **Pkt. 10 and 25 cts.; ⅛ oz. 50 cts.; oz. $3.75.**

DAISY (ENGLISH) P. R. G.

845. **DOUBLE MIXED (Bellis Perrenis).** The hardy plants thrive best in cool, shady places. The attractive small double flowers appear very early in the spring. Height, 8 inches. **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.**

DAISY (AFRICAN GOLDEN) A. R. G.

1017. **DIMORPHOTHECA AURANTIACA.** Rich golden flowers with dark disc and halo. Blooms measure 2½ inches on bushy plants about 15 inches tall. They like a dry, sunny position, and bloom the greater part of the summer and fall. Finest hybrids. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

DAISY (SHASTA) P.

846. **ALASKA.** Great white daisies with curving petals and yellow centers that make a splendid show all summer. Wonderful as cut flowers. Height, 2 feet. **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.**

DELPHINIUM P.

852. **CHINESE MIXED. R. G.** Although a perennial, will bloom in August if planted early in the spring. On account of its dwarfness (2 to 3 feet) and brilliant blue and white flowers it is a popular plant for bedding and cut flowers. **Pkt. 10 cts.; ½ oz. 40 cts.; oz. 75 cts.**

853. **GOLD MEDAL HYBRIDS.** Mixture of the most beautiful tall large flowering varieties. The long graceful spikes of harmonizing blue colors make a splendid background. Height, 4 to 6 feet. **Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.50.**

854. **BELLADONA.** Light blue. **Pkt. 15 cts.; ⅛ oz. 40 cts.; ¼ oz. 75 cts.; ½ oz. $1.25; oz. $2.00.**

862A. **BELLAMOSUM.** Rich deep blue. **Pkt. 15 cts.; ⅛ oz. 40 cts.; ¼ oz. 75 cts.; ½ oz. $1.25; oz. $2.00.**

1018. **FORMOMSUM.** Dark blue, white center. **Pkt. 15 cts.; ⅛ oz. 40 cts.; ¼ oz. 75 cts.; ½ oz. $1.25; oz. $2.00.**

English Daisy

DIANTHUS A. (ANNUAL PINKS) R. G.

Brilliantly flowering, clean growing plants that bloom all summer and fall. The pretty double flowers are almost as fine as carnations for cutting, and the neat growth (about 12 inches high) makes them excellent for edging.

847. **FIREBALL.** Rich blood red; extra double.

1019. **SALMON KING.** Brilliant salmon rose; double.

848. **SNOWBALL.** Large double white; splendid for cutting.

1020. **VIOLET QUEEN.** A rich violet.

The above varieties **10 cts. per pkt.; ¼ oz. 25 cts.; oz. 75 cts.**

849. **ANNUAL PINKS, DOUBLE MIXED. Pkt. 10 cts.; ½ oz. 20 cts.; oz. 35 cts.**

850. **ANNUAL PINKS, SINGLE MIXED.** Large flowers, 2 to 3 inches in diameter; brilliantly colored and fringed. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 30 cts.**

DIANTHUS P. (PERENNIAL) R. G.

851. **PLUMARIUS (Pheasant's eye pink).** Sweet clove scented, low growing, fringed flowers of pink and white. In great profusion during May and June. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.**

DUSTY MILLER (Centaurea Candidissima)

1015. **DUSTY MILLER.** Silvery white or light gray leaves, 1 foot high, used for beddings, margins, baskets, pots and vases; very effective. **Pkt. 10 cts.; ¼ oz. 45 cts.; ½ oz. 80 cts.**

1039. **DIANTHUS (Sweet Wivelsfield) A. R. G.**

New greatly prized hardy annual for exquisite cut flowers, unsurpassed for borders and rock gardens, wide range of colors, all season blooming. **Pkt. 10 cts.; ¼ oz. 35 cts.; ½ oz. 60 cts.; oz. 1.00.**

ESCHSHOLTZIA A. (California Poppy) R. G.

1009. **SALMON BEAUTY.** See in color outside back cover. Beautiful double salmon, not variable. Introduced for the first time last year. Is salmon both inside and out. Very distinct. **Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.50.**

855. **MIXED.** Plants of low spreading growth with cut feathery foliage and flowering during the entire summer. Colors rich in shades of crimson, pink and orange scarlet. **Pkt. 5 cts.; ½ oz. 20 cts.; oz. 30 cts.**

EUPHORBIA A. R. G.

1023. **SNOW ON THE MOUNTAIN.** Strong annual, suitable for beds or mixed borders. The lovely green foliage margined with white is extremely ornamental. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

FEVERFEW P.

856. The plants attain a height of eight inches; dark cut leaf foliage; the pure white flowers are borne on long stems. Fine for cutting. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

FORGET-ME-NOTS P. R. G.

858. **(Myosotis Alpestris).** A perennial but easier to treat as an annual. A lovely dwarf plant for carpeting damp places; beautiful starlike blue flowers. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 75 cts.**

4 O'CLOCKS A. (MARVEL OF PERU)

857. The plants grow 2½ feet high and are practically covered with the varied colored flowers about four o'clock in the afternoon. **Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.**

Euphorbia—Snow on the Mountain

FOX GLOVE P. (DIGITALIS)

1021. **GLOXINAE-FLORA MIXED.** The plants grow 3 feet high and bear long spikes of thimble-shaped flowers, brilliantly colored and spotted. If planted in well-drained soil will thrive nicely. **Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.**

GAILLARDIA A.

859. **ANNUAL MIXED.** From early spring to late fall they will supply you with brilliantly colored flowers. Reds and yellows predominate. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 35 cts.**

860. **GRANDIFLORA. THE PERENNIAL VARIETY.** June to October, 2 feet. The beautiful single flowers are red in the center with clear yellow markings on outer edges of petal. **Pkt. 10 cts.; ½ oz. 35 cts.; oz. 60 cts.**

989. **THE DAZZLER (Gaillardia).** Perennial. Very large, of dark, rich red with bright orange petal tips. By far the most attractive giant red perennial variety. **Pkt. 10 cts.; ½ oz. 60 cts.; oz. $1.00.**

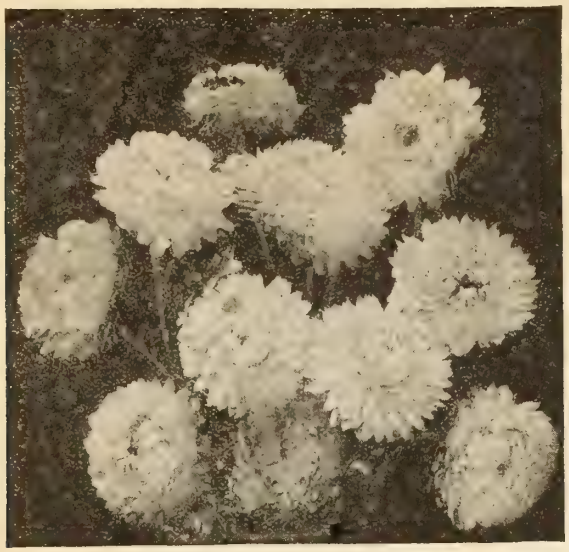
1048. **GAILLARDIA ANNUAL INDIAN CHIEF.** A distinct new variety. Fine bronzy red. **Pkt. 10 cts.; ½ oz. 35 cts.; oz. 60 cts.**

GERANIUM ZONALE A.

861. **MIXED.** Although a perennial, it is usually treated as annual when grown from seed unless the plants are taken indoors for the winter. Grows readily from seed planted indoors. **Pkt. 10 and 20 cts.; ⅛ oz. 50 cts.; oz. $3.75.**

GILIA A. R. G.

862. **MIXED.** Early blooming plants 1 foot high bearing charming flowers of white and blue. For borders or rock gardens. Valuable for bees. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 20 cts.**



Helianthus—Straw Flower

GODETIA, A.

1022. **TALL DOUBLE VARIETIES MIXED.** A close relation of the Evening Primrose. Does best in cool locations. The plants bear freely, widely opened flowers, rich and varied in colors. Height, 2 ft. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 35 cts.**

GOURDS (ORNAMENTAL) A.

863. **MIXED.** Easily grown and the many odd and curious fruits are always a source of delight to both young and old. **Pkt. 10 cts.; oz. 15 cts.**

GYPSOPHILA (BABY'S BREATH) A. R. G.

1024. **ELEGANS, WHITE.** A quick growing annual with myriads of small, star-shaped pure white flowers on dainty stems. Does well in almost any soil. Sow latter part of April. The plant grows from 10 to 15 inches high. **Pkt. 10 cts.; oz. 20 cts.**

HELICHRYSUM (STRAW FLOWER) A.

864. **MIXED.** This is really a double-purpose flower. The plants during the late summer are most attractive with their beautiful double flowers which if picked before fully opened make fine dried blooms for winter decorations. Height, 2½ feet. All colors mixed. **Pkt. 5 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

HELIOTROPE A.

865. **CHOICE MIXED.** Rather tender and will not stand cold weather. Start seed indoors and do not set plants out-of-doors until all danger from frost is past. Height, 2 feet. The flowers have a delightfully fragrant perfume. **Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.25.**

HOLLYHOCKS P. (DOUBLE)

Six to 8 feet; August to September. These are best treated as biennials. One of the most showy of all hardy garden plants. The majestic plants produce magnificent long spikes bearing beautiful double flowers which measure 3 to 4 inches across.

867. Crimson. 1026. Newport pink. 1027. White.
1025. Maroon. 868. Salmon. 1028. Yellow.
Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.25.
869. **DOUBLE MIXED. Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.**

HIBISCUS P.

866. **MALLOW MARVELS MIXED.** 5 to 8 feet. June to September. Giant blooms of pink, white and red, frequently 6 to 8 inches in diameter. Unsurpassed for a background or hedge. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

HYACINTH BEAN A.

870. A fine climber with clusters of purple or white flowers followed by ornamental seed pods. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 75 cts.**

JOBS TEARS A.

871. Curios ornamental grass with broad corn-like leaves and lustrous slate colored seeds. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.**

KUDZU VINE P.

872. A twining vine of remarkably rapid growth, attaining a length of 40 to 50 feet in one season. Hardy. Foliage large and lobed; purple pea-shaped flowers in clusters, borne late in the season. A fine vine for arbors, verandas, etc. Easily grown from seed. **Pkt. 10 cts.; oz. 30 cts.; ¼ lb. $1.00.**

LANTANA A.

873. **MIXED.** The flowers resemble Verbena heads and are constantly in bloom all summer. An excellent bedding plant; 2 to 3 ft. in height. **Pkt. 10 cts.; ½ oz. 30 cts.; oz. 55 cts.**

LATHYRUS LATIFOLIUS P.

1036. **EVERLASTING OR PERENNIAL PEA.** Showy, hardy perennial climber for covering walls, stumps, fences, etc. Free flowering. Excellent for cutting; 6 to 8 ft. Choice mixed, all colors. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 25 cts.; ¼ lb. 90 cts.**

LARKSPUR TALL DOUBLE STOCK FLOWERED A.

The 3-ft. plants in their free, graceful habit and brilliant colors are classed as one of the best species for the garden. The tall closely packed spikes are unsurpassed as cut flowers. Blooms from July until frost; may be had by sowing in the open ground in April.

875. Lilac. 1032. White. 1029. Dark blue.
876. Scarlet Rose. 874. Azure blue.
Pkt. 10 cts.; ¼ oz. 20 cts.; ½ oz. 30 cts.; oz. 50 cts.
877. **MIXED COLORS. Pkt. 5 cts.; ½ oz. 25 cts.; oz. 45 cts.**

LINUM P. (BLUE FLAX) R. G.

1033. **PERENNE.** Hardy perennial variety with bright blue flowers. 1½ feet. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 30 cts.**

LOBELIA A. R. G.

878. **DWARF MIXED.** Especially desirable for edging flower beds; also for planting in hanging baskets, vases, etc., and in pots for house plants during the winter. The dwarf compact plants grow six inches high and are covered with beautiful star-like flowers. **Pkt. 10 cts.; ½ oz. 40 cts.; oz. 75 cts.**

LUPINE A.

879. **MIXED.** Very easily grown. The plant is about 12 inches high, and from this develops a long flower spike filled with small flowers, resembling sweet pea blossoms. Excellent for cutting. **Pkt. 10 cts.; oz. 25 cts.**

MARIGOLD TALL AFRICAN

Dark green cut foliage, produces freely large double flowers of yellow and orange. Measuring 3 inches across. 2½ ft.

1059. **NEW MARIGOLD GUINEA GOLD.** See in color outside back cover. Grows 2 to 2½ ft. high and produces flowers 2 to 2½ inches across, of a beautiful orange with double ruffled loose-leaf petals. Excellent for cut flowers. **Pkt. 15 cts.; ¼ oz. 35 cts.; oz. $1.25.**

880. **LEMON BALL.** Canary yellow.
881. **ORANGE BALL.** Orange yellow.
Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 75 cts.
882. **TALL AFRICAN MIXED. Pkt. 5 cts.; ½ oz. 20 cts.; oz. 35 cts.**
883. **MARIGOLD DWARF DOUBLE FRENCH MIXED. R. G.** Attain a height of 12 to 15 inches. The brilliant orange and yellow flowers blend nicely with the dark green, finely cut fern-like foliage. **Pkt. 5 cts.; ½ oz. 20 cts.; oz. 35 cts.**

French Marigold

MEXICAN FIRE BUSH A.

884. **KOCHIA CHILDSII. (SUMMER CYPRESS.)** A quick growing foliage or hedge plant, very symmetrical in form. During the summer it has the appearance of an expensive ornamental evergreen and in the fall has innumerable tiny flowers when the bush takes on a fiery red tinge. Height, 2½ feet. **Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 75 cts.**

MIGNONETTE A.

885. **MACHET.** Valued most highly on account of its delightful fragrance. Thrives best during cool weather, and we recommend that a second sowing be made in August to furnish a supply of the flower heads during the fall. Height about 12 inches. **Pkt. 10 cts.; oz. 25 cts.**

MOONFLOWER A.

886. **WHITE.** So called because it has the characteristic of opening its flowers during the late afternoon and evening. The large pure white flowers contrast beautifully with the heavy dense foliage. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 35 cts.**

815. **MOONFLOWER HEAVENLY BLUE.** Grows quickly. Blooms early and covers the vine with large clear blue flowers. **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.**

MORNING GLORY A.

887. **IMPERIAL JAPANESE MIXED.** The flowers are extra large in size and of many colors. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.**

1034. **CONVOLVULUS MAURITANICUS. P. R. G.** Perennial; rock garden and hanging basket favorite; uniform light blue, 6 to 8 inches tall. Perfect morning glory flowers. **Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.50.**

Mexican Fire Bush

NASTURTIUMS A. R. G.
(Dwarf Giant Flowering)

994. **GOLDEN GLEAM.** This grand new introduction (See illustrated in color on back outside cover) is far ahead of anything yet ever known in nasturtiums. The plant forms a vigorous large bush about 18 inches. The flowers commence to come as soon as the plant nears complete development and at the time it is in full bloom, the entire plant is a blaze of color. The large Golden Yellow Flowers average 2½ to 3 inches across. They are borne on erect stiff stems 6 inches in length. The flowers are fully double, make a most magnificent bouquet and when allowed to remain in the room for a short period of time will fill the room with fragrance. **Pkt. 15 cts.; ½ oz. 20 cts.; oz. 30 cts.; ¼ lb. $1.00.**

888. **CRIMSON.** Velvety Crimson.

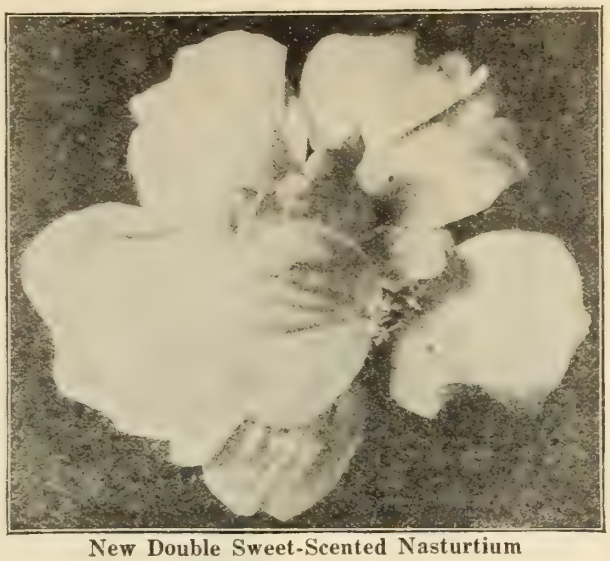
1037. **CLOTH OF GOLD.** Yellow Foliage, Scarlet Flowers.

1038. **KING OF TOM THUMBS.** Scarlet Flowers, Dark Green Foliage.

889. **PEARL, OR MOONLIGHT.** Creamy white.

The above varieties. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1.00.**

890. **DWARF MIXED. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 90 cts., postpaid.**



New Double Sweet-Scented Nasturtium (Golden Gleam)

TALL NASTURTIUMS A.

891. **MIXED.** These are at their best when planted on a steep slope and allowed to run down without any training. The plants are of strong, vigorous growth and the running shoots may be trained on ordinary fences or on wire netting. Have the plants stand 8 inches apart. **Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 90 cts.**

NICOTIANA A. (FLOWERING TOBACCO)

1035. **AFFINIS HYBRIDA.** Extremely showy annual plants giving a continuous display of brilliant flowers; 2 to 3 ft. **Pkt. 10 cts.; ½ oz. 35 cts.; oz. 40 cts.**

BOLGIANO'S PANSIES R. G.

995. **ROGGLI GIANTS.** A very select strain noted for its robust habit and early flowering. The extremely large flowers of heavy texture are held well above the foliage on long strong stems. The range of rich dark colors is perfectly wonderful. **Pkt. 25 cts.; ⅛ oz. 75 cts.; oz. $5.50.**

892. **EXHIBITION GIANTS.** The most beautiful forms and color combinations imaginable. Flowers attain a size of two to three inches under favorable conditions. **Pkt. 20 cts.; ⅛ oz. 65 cts.; oz. $5.00.**

893. **GIANT ADONIS.** Light blue with a white margin. **Pkt. 10 cts.; ⅛ oz. 30 cts.; ¼ oz. 50 cts.; oz. $1.50.**

894. **GIANT TRIMARDEAUX MIXED.** Beautiful color combinations. Each flower has three blotches of color, and attains great size. **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.**

Exhibition Giant Pansy

ANNUAL POPPIES

1000. **AMERICAN LEGION POPPY.** This new single poppy of the Shirley type is a dazzling orange-scarlet of immense size, borne on long stout stems. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 30 cts.**

1058. **SHIRLEY WILD-ROSE PINK.** This beautiful variety is a selection out of the Shirley Poppy; in color a uniform bright but soft Wild-Rose pink, a color that appeals to everyone and which makes a charming bed, and of special value for cutting. 2 ft. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 40 cts.**

1045. **SHIRLEY MIXED.** The large flowers are brilliantly colored and always attract much attention. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.**

PERENNIAL POPPIES

1043. **ICELAND. R. G.** The graceful foliage is surmounted with a mass of stems a foot high, which terminates in a beautiful cup-shaped flower. Blooms the entire summer. Single mixed colors range from white and yellow to deep orange scarlet. **Pkt. 10 cts.; ⅛ oz. 20 cts.; ¼ oz. 35 cts.; oz. $1.25.**

1044. **ORIENTAL MIXED.** Three feet; May and June. Flowers of gorgeous brilliancy. Colors from soft rose to dazzling scarlet and richest maroon purple. **Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.25.**

Bolgiano's Giants of California Petunias

PETUNIAS A.

907. **GIANTS OF CALIFORNIA RUFFLED MIXED.** A well-balanced mixture of light and dark colors including pink and rose shades fringed and ruffled with attractive deep throats. Many beautifully veined. The flowers are extraordinarily large and of great substance. **Pkt. 20 cts.; 1/16 oz. $2.50; ⅛ oz. $4.50.**

BALCONY PETUNIAS. R. G. A large and free flowering type either for window boxes, vases, hanging baskets, etc. Can also be effectively used in rock gardens. The flowers average 3 inches across and make a very effective display over a long season.

901. Balcony Blue. 902. Balcony White.
1040. Balcony Rose. 1041. Balcony Crimson.

The above four varieties, **Pkt. 15 cts.; ⅛ oz. 75 cts.**

903. **BALCONY MIXED. Pkt. 15 cts.; ⅛ oz. 50 cts.**

904. **GIANT FLOWERED MIXED.** This is a mixture of large flowering single varieties containing a good assortment of colors. **Pkt. 10 cts.; ¼ oz. 30 cts.**

SINGLE BEDDING PETUNIAS. R. G. This type forms compact plants 12 to 18 inches tall. It is very free flowering and especially adapted to window boxes, beds and borders.

905. **Rosy Morn.** Soft rose pink with a white throat. **Pkt. 10 cts.; ⅛ oz. 40 cts.; ¼ oz. 75 cts.**

1042. **SNOW BALL.** Pure satiny white. **Pkt. 10 cts.; ⅛ oz. 25 cts.; ¼ oz. 40 cts.**

906. **MIXED.** Many different colors. **Pkt. 10 cts.; ¼ oz. 30 cts.**

PHYSALIS P. CHINESE LANTERN PLANT

900. An ornamental plant forming dense bushes 2 ft. high and producing freely orange scarlet fruits resembling Chinese lanterns which can be cut and dried for winter bouquets. **Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 90 cts.**

PORTULACA A. R. G.

Brilliant flowers, low growth, thrives under the most adverse conditions. Indispensable for filling in, bedding and rock plantings.

1046. DOUBLE MIXED. Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.25.

908. SINGLE MIXED. Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.

PHLOX DRUMMONDI GRANDIFLORA A. R. G.

One of the best annuals. Easily grown from seed and produces large heads of brilliant blooms all summer. This variety is the best and largest of the annual phlox. Sturdy plants, 15 inches high, make it excellent for bedding.

895. Brilliant Crimson. **896.** Deep Rose. **897.** Violet.
Any of the above colors. **Pkt. 10 cts.; ¼ oz. 30 cts.; oz. $1.00.**
898. CHOICE MIXED. Pkt. 10 cts.; ¼ oz. 25 cts.; oz. 75 cts.

PHLOX (HARDY PERENNIAL)

899. MIXED. A fine mixture of the large perennial varieties. **Pkt. 10 cts.; ¼ oz. 60 cts.; oz., $2.00.**

PRIMROSE P. R. G. (ENGLISH COWSLIP)

910. PRIMULA VERIS. Dwarf growth with bright yellow flowers in April and May. **Pkt. 10 cts.; ⅛ oz. 50 cts.**

PYRETHRUM A. R. G. (GOLDEN FEATHER)

909. The beautiful golden leaves growing about one foot high make an incomparable edging for flower beds. **Pkt. 10 cts.; ¼ oz. 15 cts.; oz. 50 cts.**

PYRETHRUM P. (PAINTED DAISY)

912. Produces charming white, pink and rose colored daisy-like flowers from April through June. Height, 2 feet. **Pkt. 10 cts.; ¼ oz. 50 cts.**

QUEEN ANNE'S LACE

See Blue Lace Flower, page 41.

RICINUS A. (CASTOR OIL BEAN)

913. Large plants growing from 6 to 7 ft. high with broad spreading leaves that give a very tropical effect. Used in the center of beds, on lawns and for massing. **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.50.**

SALPIGLOSIS A. (PAINTED TONGUE)

914. MIXED. An exceedingly beautiful, showy flower, of purple, red, yellow, buff and blue, all delicately veined. The flowers are similar to petunias in shape but the beautifully colored petals marked with fine veins of gold leave much doubt as to which is the most beautiful. Height about 2½ feet. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 60 cts.**

SALVIA A. (SCARLET SAGE)

915. BONFIRE SCARLET SAGE. A fine variety, 2 feet high; forms a dense compact bush; is a heavy bloomer, having brilliant scarlet flowers. **Pkt. 10 cts.; ⅛ oz. 25 cts.; ¼ oz. 40 cts.; oz. $1.25.**

Scarlet Sage

916. SALVIA SPLENDENS. Handsome, bushy plants which produce hundreds of spikes of brilliant scarlet flowers during the early fall months. Seed should be sown early indoors; set plants in beds as soon as danger from frost is past. **Pkts. 10 cts.; ⅛ oz. 20 cts.; ¼ oz. 35 cts.; ½ oz. 65 cts.; oz. $1.15.**

SCABIOSA A.

917. MIXED. The growing plants are not only highly ornamental, but produce freely on long stems beautifully formed flowers of many colors. Height, 2½ feet. Sow seed as soon as trees are starting to leaf. **Pkt. 10 cts.; ½ oz. 20 cts.; oz. 35 cts.**

SCABIOSA P.

1050. JAPONICA. A hardy variety from Japan. Flowers beautiful clear blue. **Pkt. 10 cts.; ½ oz. 40 cts.; oz. 75 cts.**

Phlox Drummondi

SCARLET RUNNER BEAN A.

918. A quick-growing vine bearing large sprays of bright scarlet pea-like flowers. When fully ripened the dry beans are bright scarlet, heavily blotched with purple. **Pkt. 10 cts.; ¼ lb. 15 cts.; lb. 40 cts.**

SCHIZANTHUS A.

911. BUTTERFLY FLOWER. An easily grown dainty annual. Quick to flower. Blooms profusely throughout the Summer. Innumerable small butterfly-like blooms in many colors. Height, 1½ feet. Desirable as a pot plant as well as for garden decoration. **Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.**

SNOW ON THE MOUNTAIN

See Euphorbia, page 43.

STOCKS DWARF DOUBLE TEN WEEKS A.

919. MIXED. Highly recommended as a cut flower. The colors are white, yellow, pink and blue. Sow seed in hotbed or boxes and transplant into rich soil. Height, 12 inches. **Pkt. 5 cts.; ⅛ oz. 15 cts.; ¼ oz. 25 cts.; oz. 75 cts.**

STOKESIA P. (Corn Flower or Stokes Aster) R. G.

1051. CYANEA. Plants grow from 18 to 24 inches high, bearing freely from July to October. The flowers resemble the corn flower and are delicate blue. One of the most desirable plants for the hardy border. Excellent for cutting. **Pkt. 10 cts.; ¼ oz. 50 cts.; oz. $1.75.**

SUNFLOWER A. (Chrysanthemum Flowering)

920. Positively the finest sunflower in cultivation. Flowers always perfectly double and of brightest golden yellow. Height 6 ft. **Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.**

SWEET ROCKET P.

921. MIXED. Plants attain a height of 2 feet and produce sweet scented panicles of white and lavender flowers. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 60 cts.**

SWEET SULTAN A.

1049. CENTAURIA MOSCHATA. Their graceful, airy, and large blooms are borne profusely all during the Summer and Fall. The plants grow 2 feet tall and produce an abundance of long-stemmed blooms which are valuable not only for garden display but are also splendid for cutting. The sweet perfume of these flowers adds another valuable feature, and their lasting quality in water is astonishing. This mixture contains many colors. **Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.**

Sweet William

SWEET WILLIAM P.

An old-fashioned flower which, because of its easy culture and particular beauty, is extensively used in solid beds, front of borders, or in rock gardens. Height, 1½ feet.

922. NEWPORT PINK (Watermelon Pink). Pkt. 10 cts.; ¼ oz. 20 cts.; ½ oz. 35 cts.; oz. 60 cts.
1052. WHITE. Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.
923. SCARLET BEAUTY. Bright Scarlet single. **Pkt. 10 cts.; ¼ oz. 20 cts.; ½ oz. 35 cts.; oz. 60 cts.; ¼ lb. $2.00.**
926. JOHNSON'S GIANT HYBRIDS. Immense flowers, large eyes. **Pkt. 10 cts.; ¼ oz. 35 cts.; oz. $1.25.**
924. SINGLE MIXED. Pkt. 10 cts.; ½ oz. 15 cts.; oz. 25 cts.; ¼ lb. 75 cts.; lb. $2.50
925. DOUBLE MIXED. Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.; ¼ lb. $1.50; lb. $5.00.

EVERBLOOMING HYBRID SWEET WILLIAM P.

1053. SCARLET. A brilliant variety that blooms all summer. One of the very best perennials. **Pkt. 10 cts.; ½ oz. 35 cts.; oz. 60 cts.**

Verbena

THUNBERGIA A. (BLACK-EYED SUSAN)

927. MIXED. Neat foliage. Vines are of rapid growth and produce freely white, yellow and orange flowers, each with a black eye. **Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.**

TRITOMA P. (RED HOT POKER)

928. MIRABILIS. Striking red spires from August until late autumn. Plant the seed indoors from January to March and set out the plants the latter part of April. **Pkt. 10 cts.; ¼ oz. 40 cts.; oz. $1.50.**

VENIDIUM FASTUOSUM A.

1047. MONARCH OF THE VELDT. (See in color on back cover.) Of the many flowers which South Africa has contributed to our gardens, this new Venidium stands out as one of the best. It is known under the popular name of Monarch of the Veldt. The plants grow 2 to 3 feet tall and bear many large, daisy-like blooms 3 to 4 inches across. The ray-petals are brilliant orange with a purple-black zone and a unique center of woolly green. **Pkt. 20 cts.; ⅛ oz. 75 cts.**

VERBENA A. R. G.

929. FINE MIXED. A truly useful plant. It can be used in beds, borders or window boxes or for undergrowth for tall plants like lilies. The colors are white, rose, violet, yellow and scarlet. Some of the plants are fragrant. **Pkt. 5 cts.; ¼ oz. 25 cts.; ½ oz. 40 cts.; oz. 75 cts.**

VINCA A. (PERIWINKLE)

930. MIXED. One foot high; neat, white and pink blooms with dark foliage. One of the best plants for window boxes. When planted early will bloom the same season and through the winter indoors. **Pkt. 10 cts.; ¼ oz. 25 cts.; ½ oz. 45 cts.**

VIOLA P. (TUFTED PANSY) R. G.

1054. CORNUTA MIXED. Six inches. More graceful and freely blooming than pansies. The colors of yellow, blue, lavender and white are more dictinct and the plants bloom over a long period. Seed sown in April will produce blooms from June until frost. **Pkt. 10 cts.; ⅛ oz. 25 cts.; ¼ oz. 40 cts.; oz. $1.50.**

WALL FLOWER B.

931. An attractive sweet scented biennial. Lovely gold and red flower spikes; in early spring. **Pkt. 10 cts.; ¼ oz. 20 cts.; oz. 60 cts.**

SIBERIAN WALL FLOWER P. R. G.

1055. CHEIRANTHUS ALLIONI. Bright heads of orange flowers about 12 inches high, from spring through the summer. **Pkt. 10 cts.; oz. 30 cts.**

WILD FLOWER GARDEN MIXTURE A.

933. This is a well-balanced mixture of hardy annuals suitable for planting in odd corners or on vacant lots. This mixture is easily grown and makes a fine bed for cut flowers. Give some to the children for their own garden. **Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. $1.50.**

BOLGIANO'S CALIFORNIA GROWN ZINNIAS A.

Few flowers grown from seed give the general satisfaction that Zinnias give. For brilliancy and variety of colors, there is nothing that surpasses our strain. The popularity of this flower is constantly increasing. It is frequently called "Youth and Old Age," because of its constant blooming.

DAHLIA FLOWERED ZINNIAS

Attractive member of the Zinnia family. Immense dahlia-like flowers often measuring 4 to 5 inches in diameter. The sturdy plants, about 2½ feet high, produce an abundance of blooms all summer.

939. EXQUISITE. By far the most pleasing of our collection. Truly dahlia-like in both form and size. Color light rose with center a deep rose. (Tyrian Rose.)

940. GOLDEN STATE. A very rich orange yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.

941. ORIOLE. We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named.

942. PURPLE PRINCE. A fine, deep purple (Rhodanthe Purple), large and well-formed. (New.)

943. POLAR BEAR. A very large pure white, the best white yet seen in Zinnias. True Dahlia form.

944. SCARLET FLAME. A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.

The above six varieties, **10 cts. per pkt.; ¼ oz. 30 cts.; ½ oz. 55 cts.; oz. $1.00.**

945. GOLD MEDAL MIXTURE. All the above and others, **pkt. 10 cts.; ¼ oz. 25 cts.; ½ oz. 40 cts.; oz. 75 cts.**

POMPOM OR LILLIPUT ZINNIAS R. G.

947 MIXED. The best Zinnia for bedding. Compact plant, about 12 inches high, bearing small double flowers of distinct colors. **Pkt. 10 cts.; ¼ oz. 20 cts.; ½ oz. 35 cts.; oz. 60 cts.**

CACTUS ZINNIAS—VICTORY QUILLED

946. MIXED. A most striking form and a rich variety of colors gave this Zinnia its well-deserved popularity. Its petals are quilled and give the flower the appearance of a Cactus Dahlia. **Pkt. 10 cts.; ¼ oz. 30 cts.; ½ oz. 55 cts.; oz. $1.00.**

CALIFORNIA GIANTS

1057. MIXED. The great advantage of this type is that the flowers are of enormous size and flat, getting away from the conical type of the regular giants and eliminating the stiffness that has been so objectionable in Zinnias in the past. The flowers from the time they open are attractive, making them a good cut flower from the early buds until they are in full bloom. They are twice the size of the ordinary giants. **Pkt. 10 cts.; ¼ oz. 20 cts.; ½ oz. 30 cts.; oz. 50 cts.**

Bolgiano's Dahlia Flowered Zinnia

CALIFORNIA GIANTS OR MAMMOTH ZINNIAS

The latest introduction in Zinnias. Low branching, long cutting stems, profuse flowering and huge graceful flowers of rich and charming color. About 2½ feet high.

934. SCARLET GEM. Deep scarlet.
935. BRIGHTNESS. Bright pink.
936. GOLDEN QUEEN. Golden yellow.
937. WHITE. Pure white.

The above 4 varieties, **Pkt. 10 cts.; ¼ oz. 35 cts.; ½ oz. 60 cts.; oz. $1.15.**

SWEET PEAS

Early Flowering Spencer Sweet Peas

These varieties are a welcome addition to our lists, for they flower several weeks earlier than the regular Spencers, and if planted with them you will have a much longer season of bloom.

958. **AVIATOR.** Dazzling scarlet flowers.
959. **BLUE BIRD.** Velvet blue.
960. **COLUMBIA.** Salmon rose standard, white wings.
961. **GLITTERS.** Intense orange scarlet.
962. **HARMONY.** Beautiful clear lavender blooms.
963. **MEADOW LARK.** Most magnificent cream.
964. **MRS. KERR.** Beautiful deep salmon.
965. **SNOWSTORM IMPROVED.** Lovely pure waxy white.
966. **SPRING SONG.** Salmon pink on cream.
967. **VULCAN.** Scarlet cerise shading brilliant orange.
968. **ZVOLANEK'S ROSE.** Giant rose pink.

All the above varieties, **Pkt. 10 cts.; oz. 45 cts.; ¼ lb. $1.25.**

969. **MIXED EARLY SPENCERS.** A well-balanced mixture of the newest and brightest colors. **Pkt. 10 cts.; oz. 35 cts.; ¼ lb. 90 cts.**

Spencer, or Orchid-Flowering

The largest, most beautiful and all around best variety of Sweet Peas. You can reap armfuls of the many colored, waved and fragrant blossoms all summer long if you will but care for them.

971. **AUSTIN FREDERICK IMPROVED.** Giant Lavender.
973. **AVALANCHE.** A beautiful pure white.
974. **CRIMSON KING.** Deep crimson.
977. **GLENEAGLES.** Beautiful light silvery blue.
978. **HAWLMARK PINK.** Bright rose pink.
979. **HEAVENLY BLUE.** A real delphinium blue.
982. **HERCULES.** Rosy pink.
980. **MARY PICKFORD.** Cream pink suffuse salmon.
983. **PINNIE.** Large rose pink.
984. **ROYAL PURPLE.** Pure rich purple.
985. **ROYAL SCOT.** Orange scarlet.
997. **SENATOR.** Deep chocolate and claret stripes.
988. **SUNSET.** Bright rose, amber ground.
990. **TANGERINE.** Improved glowing orange.
992. **VALENTINE.** Blush pink.
998. **WARRIOR.** Finest reddish maroon color.
999. **WHAT JOY.** A rich deep primrose yellow.
1001. **YOUTH.** Large white pink picotee.

All the above varieties, **Pkt. 10 cts.; oz. 25 cts.; ¼ lb. 65 cts. lb. $2.00.**

The Best Grandiflora Sweet Peas

In spite of the vast superiority of Spencer or Orchid-Flowering Sweet Peas, we find there are some planters who still prefer the older or Grandiflora types. Our list includes all the best varieties in the different color classifications.

951. **AMERICA.** Red and white striped.
948. **BLACK KNIGHT.** Deep maroon.
949. **BLANCHE FERRY.** Rose and white.
950. **DOROTHY ECKFORD.** Large white.
952. **HON. MRS. E. KENYON.** Large primrose.
953. **JANET SCOTT.** Deep pink.
954. **KING EDWARD VII.** Bright red.
955. **LADY GRISEL HAMILTON.** Lavender.
970. **LORD NELSON.** Deep rich blue.
972. **MRS. WALTER WRIGHT.** Rose purple.
975. **NAVY BLUE.** A true navy blue.
956. **PRIMA DONNA.** Pale soft pink.

All the above varieties, **Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 30 cts.; lb. $1.00.**

957. **BOLGIANO'S SPECIAL GRANDIFLORA MIXED.** All the above varieties and others, **pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 90 cts.**

One Each of the Ten Cannas Listed for 90 cts., postpaid

Bolgiano's Superb Mixed Spencer Sweet Peas

1002. This mixture contains the choicest named varieties blended in the proper proportions to insure a well-balanced color effect. It will give a lavish display of the largest and most attractive flowers. **Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 60 cts.; 1 lb. $1.75.**

1036. **PERENNIAL OR EVERLASTING SWEET PEA.** Once planted these live year after year, bearing magnificent clusters of flowers early in the Spring before the annual kind begins to flower. Excellent for cutting. Grow 6 to 8 feet high. **Pkt. 10 cts.; ½ oz. 30 cts.; oz. 50 cts.; ¼ lb. $1.50.**

Prices Postpaid — Bolgiano's Canna Roots — Prices Postpaid

These wonderful bedding plants give uniformly good results in all sections of the country. They succeed in any sunny position, in any kind of soil, but will repay liberal treatment. For best results spade the beds 2 feet deep, and incorporate in the soil a liberal amount of well-decayed manure of any kind. Water well at all times. The best effect is given by planting large masses of one color, setting the plants 18 inches apart.

CITY OF PORTLAND. This fine and stately Canna enjoys the greatest popularity. The plants make a strong, upright growth, 3½ feet tall. Contrasting with the rich, deep green foliage are flowers of a bright pink color. **10 cts. each; 90 cts. doz.**

EUREKA. Eureka is a beautiful creamy white Canna with large bold flowers borne on plants 4½ feet tall. The individual petals are heavy and substantial. The foliage is rich dark green. **10 cts. each; 75 cts. doz.**

HUNGARIA. Extra large flower-trusses of heavy substance, carried on strong stems. The blooms are a magnificent rose-pink shade; grows from 3 to 3½ feet. **10 cts. each; 90 cts. doz.**

KING HUMBERT. Large purplish brown foliage with a metallic sheen, forming a sharp contrast to the orange-colored blooms. It is a most striking Canna of stately habit and the color combination of the foliage and flowers gives a striking effect. Height, 4½ feet. **10 cts. each; 75 cts. doz.**

MRS. ALFRED F. CONARD. Gigantic flowers borne in immense clusters; color, delightful salmon pink, a shade which becomes more brilliant as the flower develops; foliage light green; 4 feet. **10 cts. each; 90 cts. doz.**

RICHARD WALLACE. Large, showy, pure canary yellow flowers carried on good stems; green foliage; 4½ feet. **10 cts. each; 75 cts. doz.**

THE PRESIDENT. This splendid variety produces immense flowers of a rich, glowing scarlet; superior in quantity and quality of bloom to any other red variety; green foliage; 4 feet. **10 cts. each; 75 cts. doz.**

WINTZER'S COLOSSAL. Flowers frequently eight inches in diameter; bright scarlet; very effective, free-flowering bedding variety, 5 feet. **10 cts. each; 75 cts. doz.**

WYOMING. Immense spikes of large massive orange colored flowers; bronze foliage; 6 feet. **10 cts. each; 75 cts. doz.**

YELLOW KING HUMBERT. A sport of the well-known bronze-leaved variety, but with green foliage; about 4½ feet high, with masses of golden yellow flowers, dotted red; occasionally some will be streaked red. **10 cts. each; 75 cts. doz.**

Bolgiano's Bulbs for Spring Planting

EXTRA LARGE HEALTHY BULBS

Bolgiano's Magnificent Gladioli

WE PAY POSTAGE

Plant groups of Gladioli Bulbs every two weeks from April 15 until **July 1**, and you will have bright masses of color all summer.

THE WAY TO PLANT. Dig the row or bed from 8 to 10 inches deep, then spread a liberal amount of good fertilizer in the bottom of the row or bed, then rake it in thoroughly before planting your bulbs. The bulbs after being planted should then be covered from 4 to 6 inches deep. Plant 6 inches apart. Just as soon as they show their heads through the ground, they should be cultivated. If this is continued once a week till they commence to flower, one will be sure of first-class results.

BLOOMING DATES—For your benefit we have indicated by means of initials the blooming season of each variety. The key to the initials used is as follows: (E) Very early, (EM) Early Midseason, (M) Midseason, (LM) Late season, (L) Late and very late.

THREE SUPERFINE GLADIOLUS

CATHERINE COLEMAN (L). Clear salmon rose with purplish pencilings on lower petals. Several large well-placed blooms open at a time. Tall and straight. One of the best.

PFITZERS TRIUMPH (M). Brilliant salmon with deep salmon red blotch. Immense blooms. Very beautiful and distinctive.

RICHARD DEINER (L). Beautiful salmon pink cream throat, 8 to 10 blooms open.

PRICES, ALL THE ABOVE, 10 CTS. EACH; 3 FOR 25 CTS.; 6 FOR 45 CTS.; 12 FOR 75 CTS.; $5.00 PER 100.

THE BEST STANDARD VARIETIES

AMERICA (EM). The beautiful lavender pink flowers are borne on long stems and are firmly placed on the spike.

ANNIE LAURIE (M). Heavily ruffled delicate pink overlaid with light rose pink. Light purplish lines in the throat.

CAPTAIN BOYNTON (M). Lavender blue on white ground. Purplish blotch on lower petals. Large wide open flowers. Tall and straight.

CARMEN SYLVA (M). Finest pure white. Tall slender strong spike.

CRIMSON GLOW (LM). The best dark crimson. Large flowers, well arranged on a very long straight spike.

DR. F. E. BENNETT (E). Fiery scarlet with white lines in the throat. The best in its color.

E. J. SHAYLOR (EM). Ruffled. A beautiful deep rose pink. Strong straight spike.

EVELYN KIRTLAND (LM). Vivid rose-pink shading to pale pink. Lower petals blotched brilliant scarlet. An unusually beautiful variety.

FLAMING SWARD (VE). Tall spike with single row of bright orange scarlet blooms. Many open and very showy.

GIANT NYMPH (EM). Very large light salmon rose, with creamy yellow throat. Large wide open flowers. Tall spike.

GOLDEN DREAM (L). Very beautiful clear deep yellow. No markings. Several blooms open. One of the very best yellows.

HALLEY (VE). Salmon or geranium pink. One of the most popular.

MRS. DR. NORTON (M). La France pink, shading to a very pale pink throat. Strong straight spike with large flowers.

MRS. LEON DOUGLAS (M). Salmon rose striped with flame and scarlet. One of the tallest, largest and most showy.

NANCY HANKS (EM). Apricot shading to orange pink. Heavy red penciling on the lip. Several large well-placed blooms. Open; showy.

ORANGE QUEEN (M). Beautiful light orange, deeper at edge of petals. Orange red lines in the throat; 5-7 blooms. Open.

PEACE (L). Large white with tyrian rose blotch on lower petals. Very tall straight spike with large blooms.

SOUVENIR (EM). Pure golden yellow. Very good.

W. H. PHIPPS (L). Light rose salmon. The most popular variety in America. Nothing can touch it.

PRICES, ALL THE ABOVE, 5 CTS. EACH; 45 CTS. DOZ.; $2.75 PER 100.

CAPITOL CITY MIXTURE

A mixture of the above named varieties and others, all large flowering varieties. **5 CTS. EACH; 35 CTS. DOZ.; $2.25 PER 100.**

Gladioli

Fragrant Double Pearl Tube Roses

GLADIOLUS, by F. F. Rockwell. Recommended as "the best brief guide on gladiolus growing." It tells how to plant, fertilize, and cultivate; how to grow from seed or bulblets; how to harvest and cure; how to handle for cut flowers; and every other detail needed for success with this popular flower. 45 illustrations, 79 pages. **$1.00.**

CINNAMON VINE

A hardy climber which grows very rapidly. The foliage is bright green in color and the white flowers are cinnamon-scented. **10 cts. each; 3 for 25 cts.; 12 for 90 cts., postpaid.**

MADEIRA VINE

A very quick-growing vine, bearing fragrant white flowers. **10 cts. each; 3 for 25 cts.; 12 for 85 cts., postpaid.**

TUBE ROSES

EXCELSIOR PEARL—LARGE BULBS. Deliciously fragrant white flowers. Plant in the garden as soon as all danger from frost is past. **8 cts. each; 3 for 20 cts.; 6 for 35 cts.; 55 cts. per doz.; 25 for $1.00, postpaid. 5 cts. each; 50 cts. per doz.; 25 for 85 cts.; $3.00 per 100, not postpaid.**

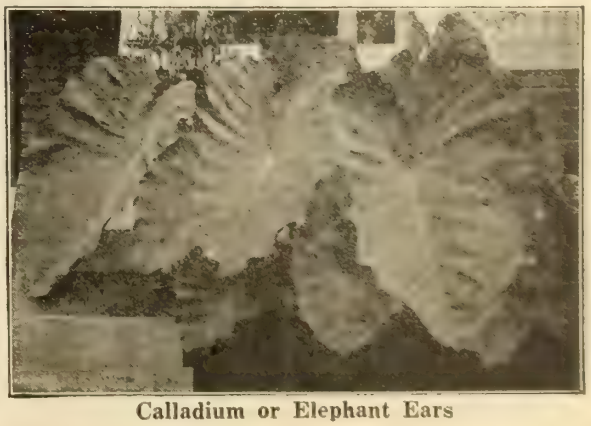
CALLADIUM (ELEPHANT EARS)

Wonderful plants for lawns, borders or backgrounds. They will grow in any garden soil and are no trouble at all. To obtain the maximum growth they should be planted in rich soil where they will get plenty of water. A full-size plant will stand six feet high and bear immense leaves three to four feet long by twenty-seven inches wide. They should not be planted outdoors until May 1, but to get them into early growth they can be started in pots in the house.

MAMMOTH BULBS. .25 cts. each; $2.50 doz.

LARGE BULBS. 15 cts. each; $1.50 doz.

Add 5 cents each for postage, or 25 cts. per doz.



Calladium or Elephant Ears

Hardy Perennial and Biennial Flower Plants

The "Old-Fashioned Gardens" of grandmother's day were gardens of perennials. An increasing number of flower lovers are making these permanent gardens and using perennials among shrubbery in borders and beds. The return each year of familiar flower faces without the annual bother of sowing or transplanting is indeed a great joy. Weeks in advance of plants grown from seed, the early, hardy perennials throw out leaves and showy flowers to brighten the landscape. Both early and late flowering kinds are of easy culture.

CULTURE: Seeds may be planted in the spring or just after midsummer for blooms the following year. But by setting out plants in the spring blooms may be secured the same year, and some perennials will bloom from seed the same year if planted very early in the spring. (See descriptions of varieties.)

A deep, well-drained bed of enriched soil is essential to the proper growth of the plants. Care taken in providing a suitable bed will repay you many times as you watch the succession of various beautiful and fragrant blooms through the seasons year after year.

STRONG, YEAR OLD PLANTS. Our perennial plants will give satisfaction. All of them are large and well-rooted. They should be planted in March or April, according to the season, for best results.

POSTAGE ON PLANTS. Add postage as follows: Single plants, 5 cts.; 3 plants, 10 cts.; 6 plants, 15 cts.; 12 plants, 25 cts.

ALYSSUM (HARDY YELLOW)

SAXATILE COMPACTUM. Broad masses of bright yellow flowers in early spring. For rockeries or front of borders. 1 foot. **Plants 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

ANEMONE JAPONICA (Japanese Windflower)

QUEEN CHARLOTTE. Large semi-double flowers of "La France" pink. Grows well in shade; a good cut-flower. 2 feet.

WHIRLWIND. Similar to above, but pure white. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

ASTER (HARDY)

(Michelmas Daisy). Lovely, daisy-like flowers, 4 to 5 ft. high; blooming September and October. **Climax,** blue violet; **Novae-Angliae,** lavender pink. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

BLEEDING HEART

DICENTRA SPECTABILIS. Long graceful racemes of heart shaped rose crimson flowers. **Plants 30 cts. each.**

DICENTRA FORMOSA (FALSE BLEEDING HEART). The foliage is fern-like and remains attractive all summer. The heart-shaped flowers are pink. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

CANDYTUFT (HARDY)

IBERIS GIBRALTARICA. May and June. Six inches. Evergreen plants covered with pink blooms in spring and early summer. Excellent for rockeries or borders. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

CANTERBURY BELLS

CAMPANULA MEDIUM MIXED. 2 ft. Beautiful bell-like flowers of pink, blue and white. Blooms from early to midsummer and is certainly one of the most striking flowers among the biennials. **Plants, white or blue, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

CHRYSANTHEMUM PLANTS

Single Flowering	Color	Blooming Season
Crimson Splendor	Red	Oct. 25
Dear Heart	White	Oct. 20
(Button Varieties)		
Bright Eyes, Lemon Button	Yellow	Oct. 20
Ruth	Deep Garnet	Nov. 1
Pride of Riga	Bronze Red	Nov. 5
(Pompom Varieties)		
Ruth Hatton	Bronze	Oct. 15
Red Doty	Reddish Lavender	Oct. 20
White Doty	White	Oct. 20
Yellow Diana	Yellow	Oct. 15
(Large Types)		
Katherine B.	Yellow	Oct. 15
James Hampton	Cream	Oct. 15

Plants, 20 cts. each; 3 for 50 cts.; 6 fo*r 90 cts.; $1.70 per doz.

COLUMBINE

NEW LONG SPURRED HYBRIDS. 1 to 2 feet. May to July. One of the most valuable of the early flowering perennials. The long spurred blooms and lengthy stems are well adapted to use as cut flowers, but they also produce a beautiful effect when massed in the garden. They do best in a sheltered location that gets the sunshine.

Mixed. Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.

Rocky Mountain. Blue.

Chrysantha (Golden Columbine). Yellow flowers with long spurs.

Chrysantha (Alba). Pure white.

Canadensis (American Columbine). Red and yellow flowers. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

Columbine

COREOPSIS

GRANDIFLORA. 2 feet. June to October. Bears many large golden daisy-like flowers which last long as cut flowers and are very effective in the garden. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

DELPHINIUM (Perennial Larkspur)

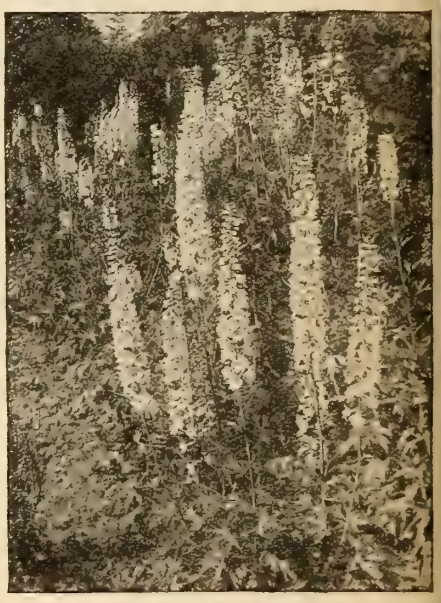
CHINENSE. Blue or white. Although a perennial, will bloom in August if planted early in the spring. On account of its dwarfness (2 to 3 ft.) and brilliant blue and white flowers it is a popular plant for bedding and cut flowers. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

WREXHAM HYBRIDS. Mixture of the most beautiful tall, large flowering varieties. The long graceful spikes of harmonizing blue colors make a splendid background. Height, 4 to 6 ft. **Plants, 20 cts. each; 3 for 50 cts.; $1.70 per doz.**

BELLADONNA. Light blue.

BELLAMOSUM. Dark blue.

Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.



Delphiniums

DAISY (ENGLISH)

DOUBLE MIXED (Bellis Perrenis). The hardy plants thrive best in cool, shady places. The attractive small double flowers appear very early in the spring. **Plants, 10 cts. each.**

DAISY (SHASTA)

ALASKA. Great white daisies with curving petals and yellow centers that make a splendid show all summer. Wonderful as cut flowers. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

MRS. C. L. BELL. An improved variety. Large flowers and long blooming season. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

DIANTHUS (HARDY PINKS)

PLUMARIUS (Pheasant's eye pink). Sweet clove scented, low growing, fringed flowers of pink and white. In great profusion during May and June. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

SWEET WIVELSFIELD. This new variety is a hybrid, being a cross between Dianthus Allwoodi and the Sweet William; in bloom continuously from May until frost, in a great variation of colors. **Plants 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

DIGITALIS (FOX GLOVE)

GLOXINAEFLORA MIXED. The plants grow 3 feet high and bear long spikes of thimble-shaped flowers, brilliantly colored and spotted. If planted in well-drained soil will thrive nicely. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

EUPATORIUM

Hardy Ageratum or Mist Flower. One of the prettiest perennials. From August until November it is completely covered with dense heads of flowers similar to Ageratum. Very good for cutting and for shipping to distant markets. **Ageratoides,** white, 3-4 ft. **Coelestinum,** blue, 2 ft. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

FEVERFEW

LITTLE GEM. A most useful border plant and valuable summer cut flower, with large double, white flowers. June to October. 18 to 21 inches. **20 cts. each.; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

FUNKIA (AUGUST LILY)

LANCEOLATA. Broad massive foliage, lilac, lily-like, flowers July and August. Easy to manage and very effective. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

GAILLARDIA

GRANDIFLORA. June to October; two feet. The beautiful single flowers are red in the center with clear yellow markings on outer edges of petal. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

DAZZLER. A new dazzling bright variety with larger blooms than the old one. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

HEMEROCALLIS (YELLOW DAY LILY)

FLAVA (LEMON LILY). Sweet scented, clear full yellow; 2½ feet. Flowers in June.

KWANSO. Large double-flowered variety, with rich, golden bronze flowers.

THUNBERGI. Much like Flava, but flowers in July, a month later. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

PHLOX (HARDY)

One of the most important perennials. Does well in any soil. Produces large heads of fragrant flowers from early July to September. Height, 1 to 3 feet.

ATHIS. Deep clear salmon, very fine.

BRIDESMAID. White with pink eye.

JULES SANDREAU. Extra large pink.

IRIS. Light purple.

MISS LINGARD. Tall, pure white.

RHINELANDER. Immense salmon pink.

R. P. STRUTHERS. Bright rosy carmine with a claret red eye.

Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz. One each of the above seven for $1.00.

CREEPING PHLOX

SUBULATA (Moss or Mountain Pink). An early Spring-flowering type with pretty moss-like, evergreen foliage, which, during the flowering season, in April and May, is hidden under the masses of bloom. An excellent plant for the rockery, the border, and invaluable for carpeting the ground. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

PLUMBAGO

LARPENTAE. One of the most desirable border and rock plants. It is of dwarf, spreading habit, growing 6 to 8 inches high, covered with broad, thick foliage and large deep violet-blue flowers. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

HIBISCUS

MALLOW MARVELS MIXED. 5 to 8 feet. June to September. Giant blooms of pink, white and red, frequently 6 to 8 inches in diameter. Unsurpassed for a background or hedge. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

PEONY ROOTS

Peonies are undoubtedly one of the most satisfactory species among the herbaceous perennials. Once established they require little care and reward the gardener with an abundance of fragrant and beautifully colored blooms of great size each spring. We offer the following fine named varieties:

EDULIS SUPERBA. Deep pink. **25 cts. each; 3 for 60 cts.**
FELIX CROUSSE. Brilliant red. **30 cts. each; 3 for 70 cts.**
RUBRA SUPERBA. Crimson. **30 cts. each; 3 for 70 cts.**
FESTIVA MAXIMA. White. **25 cts. each; 3 for 60 cts.**

Peony

Gaillardia

HOLLYHOCKS

Six to eight feet; August to September. These are best treated as biennials. One of the most showy of all hardy garden plants, producing majestic spikes of large double or single blossoms, measuring 3 to 4 inches across.

DOUBLE. Plants may be had in crimson, maroon, Newport pink, salmon, white or yellow.

Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz. of one variety.

LINUM PERENNE

(Flax)—Blue or white flowers, borne on stems 1 foot. June through September. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

IRIS GERMANICA

Plant shallow, barely covering the roots, in the early fall. Give Lime or Bone Meal, but avoid fresh manure.

"Standards" are the upper petals, "Falls" the lower ones.

CELESTE. Standards lavender-blue.

FAIRY. White, delicately bordered and suffused pale blue. The tallest standard variety giving a white effect.

FLORENTINA ALBA. White.

IRIS KING. Brown standard coppery yellow falls.

PRINCESS BEATRICE. Standards and falls clear lavender blue shading to pale silvery blue at base. Sweet scented.

PURPLE KING. Rich red purple.

RHEIN NIXE. Standards white, falls rich violet purple with distinct narrow white edge. Very large.

SHEKINAH. Standards, pale yellow shading to amber,lemon colored falls.

Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.

EXHIBITION PANSY PLANTS

A mixture of the finest color combinations and attractive forms of GIANT EXHIBITION PANSIES. **Plants, 10 cts. each; per doz., $1.00.**

POPPY (ORIENTAL)

Three feet; May and June. Flowers of gorgeous brilliancy.

SCARLET QUEEN. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

SALMON QUEEN. **20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

PRIMROSE (ENGLISH COWSLIP)

Dwarf growth with bright flowers in April and May. **Plants, (red or yellow.) Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

PYRETHRUM (PAINTED DAISY)

Produces charming white, pink and rose colored daisy-like flowers from April through June. **Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.**

SWEET WILLIAM

An old-time, hardy garden favorite, and so easily grown that it should have a place in all gardens.

NEWPORT PINK. Red or white.

Plants, 20 cts. each; 3 for 50 cts.; 6 for 90 cts.; $1.70 per doz.

PERENNIAL VINES

BOSTON IVY. Fast growing, clings to brick or stone. **20 cts. each; $1.70 per doz.**

CLEMATIS PANICULATA. Strong rapid growth pure white fragrant flowers. **20 cts. each; $1.70 per doz.**

CELASTRUS. Bitter sweet. Bright orange fruits in autumn. Sun or shade. **25 cts. each; $2.00 per doz.**

ENGLISH IVY. 2¼-inch pots. **10 cts. each; $1.00 per doz.**

VIRGINIA CREEPER. Quick growing variety for covering trellises, old stumps, etc. Foliage turns yellow-crimson and scarlet in the fall. **25 cts. each; $2.00 per doz.**

BOLGIANO'S NURSERY STOCK

Prices quoted include delivery in Washington, D. C. and vicinity. Packing costs and express, mail, or freight charges are extra.

Deutzia, Lemoine

ALTHEA. Double pink, white, and violet red. 2 to 3 feet, **35 cts.**; 3 to 4 feet, **40 cts.**

BUTTERFLY BUSH. Long spikes of violet mauve flowers from July to frost. 3 to 4 feet, **40 cts.**

BEAUTY BERRY. Brilliant lilac-violet berries in September and October. 2 to 3 feet, **55 cts.**

BEAUTY BUSH. Pale pink flowers with orange veins in throat. 2 to 3 feet, **60 cts.**

CREPE MYRTLE. Red or pink. 18 to 24 inches, **70 cts.**

DEUTZIA. Crenata. Tall, with double white flowers.

Pride of Rochester. Large double white flowers tinged with rose. Both varieties: 2 to 3 feet, **35 cts.**; 3 to 4 feet, **40 cts.**

Gracilis. Dwarf, compact, with many white sprays of flowers; in May. 15 to 18 inches, **35 cts.**

DOGWOOD. Pink flowering. 2 to 3 feet, **$1.45**; 3 to 4 feet, **$2.15.**

DOGWOOD. White flowering. 3 to 4 feet, **$1.10**; 4 to 5 feet, **$1.45.**

FORSYTHIA. Golden Bell. 3 to 4 feet, **45 cts.**

HUGONIS. Golden Rose of China. Fragrant, soft yellow, silken flowers in yard long sprays when the late tulips bloom. The plant is shrub-like with attractive foliage. 2 to 3 feet, **65 cts. each**; 3 to 4 feet, **70 cts.**

HYDRANGEA. Arborescens Grandiflora. Early white almost round heads of flowers. 2 to 3 feet, **35 cts. each.**

HYDRANGEA "PEE GEE." The old-time variety. See illustration. 2 to 3 feet, **35 cts. each**; 3 to 4 feet, **45 cts. each.**

BLUE OR PINK HYDRANGEAS. Otaksa. 18 to 24 inches, **75 cts.**

JAPANESE QUINCE. Cydonia. Sometimes called "Japonica." Scarlet flowers early in the spring. 2 to 2½ feet, **40 cts.**

LILACS. Old fashioned white or purple. 2 to 3 feet, **45 cts.**

LILACS. French Hybrids. Larger panicles, richer coloring.

Pres. Grevy. Light blue.
Souvenir de Ludwig Spaeth. Dark purple.
Madam Marie de Graye. Pure white.
Madam Lemoine. Large double white.
The above four varieties, 2 to 3 feet, **75 cts.**; 3 to 4 feet, **90 cts.**

MOCK ORANGE. Avalanche. Arching branches, large fragrant white flowers. 3 to 4 feet, **45 cts.**

Flowering Dogwood

RUGOSA ROSE: A shrub rose. Dark, crinkled foliage. Pink, white or red roses and red fruits. Blooms all summer. 2 to 3 feet, **35 cts.**

SCOTCH BROOM. An upright shrub with slender erect, angular green branches. Large yellow, pealike blossoms are produced along the stems in May. Good for cutting. 3 to 4 feet, **55 cts.**

SNOWBALL. Viburnum opulus sterilis. Old-time variety, large white balls in May or June. 2 to 3 feet, **35 cts.**

Weigelia Rosea

JAPANESE SNOWBALL. V. plicatum. Larger blooms, pure white. 3 to 4 feet, **60 cts. each.**

SNOWBERRY. Clusters of waxy white berries in autumn. 2 to 3 feet, **25 cts.**

SPIREA. Anthony Waterer. Dwarf, crimson flowers all summer. 18 to 24 inches, **35 cts.**

Prunifolia. Bridal wreath. Early, white double flowers.

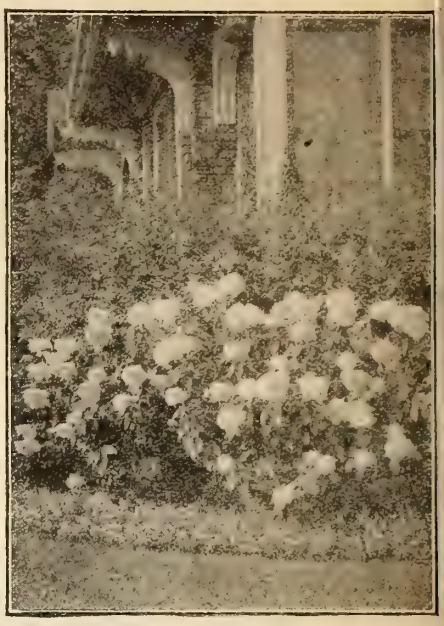
Van Houtei. The most popular variety, May-June. See illustration. 3 to 4 feet, **35 cts.**

Thunbergii. Fine leafed foliage, arching branches, long sprays of white flowers in early spring. 18 to 24 inches, **35 cts.**

WEIGELIA. Beautiful, free blooming shrubs, much used in borders and as specimen plants for the lawn.

Rosea. 3 to 4 feet, **40 cts.** White to pink flowers in May or June.

Eva Rathka. One of the most valuable. Flowers deep carmine red. June and July. 3 to 4 feet, **50 cts.**



Hydrangea P. G. Planting

HEDGE PLANTS

JAPANESE BARBERRY. The best and most practical low hedge plant. It also makes a good footing or base planting near the house, or as a border plant in front of tall growing shrubs. They can be allowed to grow naturally or pruned into any hedge form desired.

	Per 10	Per 100
12 to 15 in.	$1.35	$10.00
15 to 18 in.	1.50	12.50
18 to 24 in.	2.00	15.00
2 to 3 ft.	2.75	22.50

NEW RED LEAF BARBERRY. The foliage of this variety is always brilliant crimson. 12 to 15 inches, **30 cts. each, $2.25 for 10**; 18 to 24 inches, **50 cts. each, $4.15 for 10.**

CALIFORNIA PRIVET. The best known hedge plant. Dark green foliage which hangs to the plant until midwinter.

Well Branched, Heavy Stock

	Per 10	Per 100
1½ to 2 feet	$ .65	$ 4.50
3 to 4 feet	1.00	8.00
4 to 5 feet	1.50	12.00

SHADE TREES

AMERICAN ELM. Graceful high arching branches, leaving good space above roof for air and diffused light. 8 to 10 feet, **$1.25**; 10 to 12 feet, **$1.50.**

CATALPA BUNGEI. Umbrella Tree. Broad, green leaves forming a round mass of foliage, 5 to 6 feet from the ground. Grafted. **$1.25 each.**

LOMBARDY POPLAR. Tall columnar tree, attaining a height of 60 feet. Used for formal plantings and screens. 8 to 10 feet, **55 cts. each, $4.50 for 10**; 10 to 12 feet, **65 cts. each, $5.25 for 10.**

MAPLE. Silver. The fastest growing maple. Prune to a single stem for best form. 8 to 10 feet, **$1.25.**

MAPLE. Norway. The best maple shade tree. Rapid grower. Leaves yellow in fall. 6 to 8 feet, **$1.75**; 8 to 10 feet, **$2.00.**

PIN OAK. Sharply cut leaves, weeping lower branches. A good street tree. 6 to 8 feet, **$1.25**; 8 to 10 feet, **$1.75.**

RED OAK. Deep rooting. Easy to grow grass under. 6 to 8 feet, **$2.25**; 8 to 10 feet, **$3.25.**

ORIENTAL PLANE. 80 feet. Thrives in all soils, even water side; wide spreading. Peculiarly attractive in winter when it sheds its bark. 8 to 10 feet, **$1.50.**

WEEPING WILLOW. 40 feet. Pendulous branches. Very effective when planted beside water. 6 to 8 feet, **$1.25**; 8 to 10 feet, **$1.50.**

Spirea

Lombardy Poplar

BROAD LEAVED EVERGREEN SHRUBS

ABELIA GRANDIFLORA. Bush Arbustus. An evergreen shrub, with dark green glossy leaves, becoming bronze colored in winter. Flowers white, funnel-shaped, tinged with pink, delicately sweet scented, borne in clusters from early spring until late autumn. 2 to 3 feet, **60 cts. each; 3 to 4 feet, 75 cts. each.**

AZALEA. Hinodigiri. Low growing, brilliant scarlet flowers with evergreen leaves; 10 to 12 inches, **65 cts.;** 12 to 15 inches, **75 cts.;** 15 to 18 inches, **$1.25.**

BOXWOOD. Sempervirens. The faster growing variety. 6 to 8 inches, **25 cts.;** 8 to 10 inches, **35 cts.;** 15 to 18 inches, **$1.25;** 18 to 24 inches, **$1.75;** 2 to 2½ feet, **$3.75.**

BOXWOOD. Suffruticosa or Old English Box. 6-inch edging. **10 cts. each, $9.00 per 100.** Special prices on larger sizes.

MAGNOLIA GRANDIFLORA. The magnolia, 2 to 3 feet, **$1.65;** 3 to 4 feet, **$2.50;** 4 to 5 feet, **$4.25;** 5 to 6 feet, **$6.25;** 6 to 7 feet, **$7.50.**

NANDINA DOMESTICA. Heavenly Bamboo. Upright, reedlike growth, shiny green leaves which turn brilliant scarlet in fall. Red berries produced at the same time make a combination which is unusual and beautiful. The leaves stay on all winter. 15 to 18 inches, **75 cts.;** 18 to 24 inches, **$1.00.**

RHODODENDRON. Catawbiense. Large, purple flowers. 18 to 24 inches, **$2.50;** 2 to 2½ feet, **$3.75.**

Maximum. Large, white flowers. 18 to 24 inches, **$2.50;** 2 to 3 feet, **$2.75.**

Carolinianum. Pink, 18 to 24 inches, **$2.50;** 2 to 2½ feet, **$3.75.**

FRUIT DEPARTMENT

APPLE TREES. 4 to 5 feet, **65 cts. each; $5.50 per 10.**
Winter Varieties: Delicious, Stayman, Winesap, York Imperial, Winter Banana.
Autumn Varieties: Grimes Golden, Fall Pippin.
Summer Varieties: Yellow Transparent, Early Harvest.

PEAR TREES. 4 to 5 feet, **85 cts. each; $8.00 per 10.**
Bartlett. The best, large eating pear.
Seckel. Small, sweet; very popular.

CHERRY TREES. 4 to 5 feet, **$1.00 each; $9.00 per 10.**
Montmorency. Sour variety. Bears last of June.
Early Richmond. Sour, light red fruit. Bears about the middle of June.
Tartarian. Large, sweet, black cherries; in June.
Napoleon. Large, sweet; midseason; good quality.

GRAPE VINES. Concord, Niagara (white), Moores Early (large black), Lucile (light red wine grape), **30 cts.; 6 for $1.50.** Caco (large wine red berries), **40 cts. each.**

Juniperus Pfitzeriana

PEACH TREES. 4 to 5 feet, **60 cts. each; $5.00 per 10.**

Carman. White flesh, semi-clingstone. Early and large.

Belle of Georgia. Large white flesh; freestone.

Elberta. Large, yellow flesh; freestone. A few days later than Belle of Georgia.

PLUM TREES. 4 to 5 feet, **90 cts. each; $8.00 per 10.**

Abundance. The popular early cherry-red Japanese Plum.

Burbank. A well-known dark red early variety. (Japanese.)

Red June. The best Japanese Plum, ripening before Abundance. Fair size, vermillion red.

LOW GROWING OR DWARF HARDY EVERGREENS

ARBORVITAE. Globe. Dense globe-shaped, dark green foliage. Used in large tubs or for foundation planting. 10 to 12 inches, **50 cts.;** 12 to 15 inches, **65 cts.;** 15 to 18 inches, **85 cts.;** 18 to 24 inches, **$1.25.**

Arborvitae Pyramidal

BIOTA AUREANA. A dwarf pyramidal-shaped evergreen, with gold tipped foliage. 15 to 18 inches, **$1.00;** 18 to 24 inches, **$1.50.**

BIOTA ROSEDALE. Dwarf, compact, silvery-blue foliage. Pyramidal shape. 12 to 15 inches, **75 cts.;** 18 to 24 inches, **$1.00.**

JUNIPERUS PFITZERIANA. Low spreading, dark green branches. Very effective when used among other types in the foundation planting. 12 to 18 inches, **75 cts.;** 18 to 24 inches, **$1.25;** 2 to 2½ feet spread, **$1.50;** 2½ to 3 feet spread, **$2.00.**

JUNIPERUS STRICTA. Greek Juniper. Always keeps its neat pyramidal shape. Spiny silvery green foliage. 15 to 18 inches, **$1.00;** 18 to 24 inches, **$1.50;** 2 to 2½ feet, **$2.00.**

MUGHO PINE. Japanese Dwarf Pine. Gray foliage, compact, very ornamental. 18 inches, **75 cts.;** 24 inches, **$1.25.**

TALL GROWING EVERGREENS

ARBORVITAE. American. Tall rapid grower. 18 to 24 inches, **55 cts.;** 2 to 3 feet, **90 cts.;** 3 to 4 feet, **$1.25;** 4 to 5 feet, **$1.50;** 5 to 6 feet, **$2.25.**

ARBORVITAE PYRAMIDAL. Darker green, denser foliage and more slender of shape. 18 to 24 inches, **75 cts.;** 2 to 2½ feet, **$1.00;** 2½ to 3 feet, **$1.25;** 3 to 4 feet, **$1.50.**

VIRGINIA CEDAR. From 3 to 7 feet, at **50 cts. per foot.**

BIOTA ORIENTALIS. Dense green foliage, plume-like form. Very effective. Grows to a height of only 8 feet. 18 to 24 inches, **50 cts.;** 2 to 3 feet, **65 cts.;** 3 to 4 feet, very bushy, **90 cts.;** 4 to 5 feet, **$1.10.**

IRISH JUNIPER. Tall, narrow spires of blue-green foliage. Fast growing. 2 to 3 feet, **$1.15;** 3 to 4 feet, **$1.50.**

RETINOSPORA PLUMOSA. Graceful plume-like foliage of a pretty green. 18 to 24 inches, **50 cts.;** 2 to 3 feet, **$1.00;** 3 to 4 feet, **$1.50.**

RETINOSPORA PLUMOSA AUREA. Golden tipped. 18 to 24 inches, **50 cts.;** 2 to 3 feet, **$1.00;** 3 to 4 feet, **$1.65.**

RETINOSPORA SQUAROSA (Silver Cypress). Silvery gray foliage; gives a very soft and pleasing effect. 18 to 24 inches, 50 cts.; 2 to 3 feet, **$1.25.**

SCOTCH PINE. A quick grower particularly suited for screen, windbreaks and mass plantings. 3 to 3½ feet, **$1.75.**

SPRUCE. Norway. Rapid grower; fine shape; dark green foliage. Excellent for windbreaks or screens. 12 to 18 inches, **45 cts.;** 18 to 24 inches, **75 cts.;** 2 to 3 feet, **$1.25;** 3 to 4 feet, **$1.50.**

SPRUCE. Colorado Blue. 18 to 24 inches, **$1.75;** 2 to 2½ feet, **$2.50.**

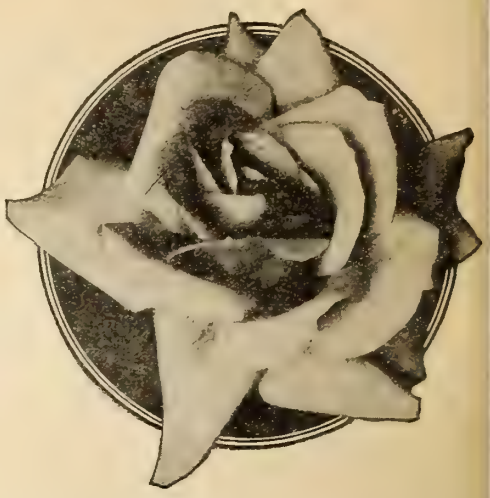
HEMLOCK. One of the most sought evergreens. Makes a wonderful hedge and will stand shearing. 18 to 24 inches, **$1.60;** 2 to 3 feet, **$2.00;** 3 to 4 feet, **$2.75.**

Irish Juniper

STRONG TWO-YEAR OLD FIELD GROWN ROSES

Our stock is budded on Japonica Multiflora roots which are conceded to be the best stock for budding roses on by most of the leading rose growers. These roses will start right off into vigorous growth and bloom lavishly next summer, making more growth and giving more blooms than possible to roses on their own roots.

IMPORTANT. After April 30th it is inadvisable to move budded roses unless potted. This is because they will have started growth at that time and due to their large roots cannot be moved safely while growing. Because of this, after April 30th we will supply 2-year-old budded roses that were potted last November and which will be growing strongly when delivered. Handled in this manner they will go on growing and blooming undisturbed. It will be well worth while to spend a little extra on these fine potted plants if you have delayed ordering too long.



SIX NEW EVERBLOOMING VARIETIES. 75 cts. each, $6.50 for 10. Add 25 cts. each for potted plants. Express extra.

AUTUMN. Flowers double, fragrant, burnt orange outside, inside buff and gold streaked with red.

CHARLES P. KILHAM. Brilliant orange, suffused with golden scarlet; vigorous, bushy, upright.

FUE JOSEPH LOOYMANS. Long pointed buds of brilliant orange buff; large flowers of vivid yellow and apricot.

LOS ANGELES. Lovely buds of salmon pink with yellow shading.

MRS. ERSKINE PEMBROKE THOM. Long yellow buds, well shaped blooms of clear canary yellow.

MRS. PIERRE S. DU PONT. Medium sized long-pointed bud of a reddish gold opening to a semi-double, cupped, very lasting fragrant flower of a deep golden yellow. The plant is of strong vigorous compact growth. A profuse and continuous bloomer.

EVERBLOOMING HARDY HYBRID TEA ROSES

Two-year-old dormant roses (can be supplied until April 30th. **60 cts. each; $5.00 for 10.**

After April 30th we will supply the potted plants as described above at **75 cts. each; $6.50 for 10.** These will be shipped in paper pots by express or parcel post. Express and parcel post charges are extra. **We cannot ship roses C. O. D.**

BETTY UPRICHARD. Carmine pink with coppery sheen and orange suffusion. Medium sized flowers of good substance and sweet scented.

CHAS. K. DOUGLAS. Large brilliant crimson blooms with a scarlet undertone. Vigorous and free blooming.

DAME EDITH HELEN. A great full rose of Paul Neyron pink whose fragrant old rose perfume, now so rare, is as great an attribute to its popularity as its large, beautiful form.

DUCHESS OF WELLINGTON. Enormous, tapering buds of golden orange, slowly opening to very large saffron-colored, sweetly fragrant roses of great size and substance. Plant very vigorous, healthy, and liberal with its flowers.

ETOILE de HOLLAND. A deep velvety crimson rose of good size, cup shaped, and fragrant. The long buds are borne on long stems. The color is such a deep soft crimson that it is restful to the eye and harmonizes with any color.

FRAU KARL DRUSCHKI. Very vigorous grower, with gigantic white buds and blooms.

JULIAN POTIN. A rich canary yellow rose with many petals, good as cutflower, upright grower.

KAISERIN AUGUSTE VIKTORIA. Well-formed, creamy buds which develop slowly to blooms of absolutely perfect form; snowy white with a slight tint of lemon at center; fragrant. Plant moderately vigorous, free blooming and hardy.

LADY ASHTOWN. One of the best garden Roses and a fine long-lasting cut flower. Flowers large, sweetly scented, of a pleasing carmine-pink shading to a golden-yellow base.

LADY HILLINGDON. A rich golden yellow tea rose that blooms continually. Its semi-double cup-shaped blooms hold their color exceptionally well and exhale a sweet fragrance. The bush is erect, almost thornless, bronzy branches and deep green foliage.

MARGARET McGREDY. Large, long pointed buds, developing into long lasting fragrant carmine rose colored blooms, constantly in bloom.

MISS ROWENA THOM. Long pointed large buds, on strong stems, forming large well-shaped flowers of a rich rose pink. Vigorous grower and continuous bloomer.

MRS. G. A. VAN ROSSEM. A beautiful rose, a unique color combination of orange and apricot, and golden yellow. Very free bloomer.

PRES. HERBERT HOOVER. A beautiful color combination of maroon, orange and gold. Very vigorous grower, buds very large with many petals. Free bloomer.

RADIANCE. Brilliant rose-pink buds, opening to well-formed shining flowers with lighter tints on the reverse of the petals; globular in shape and very fragrant. The plant makes splendid growth, has wonderful blooming qualities.

RED RADIANCE. An even better Rose than its parent. Radiance in habit, bearing big, globular flowers of deep rose-red on strong, individual canes which are freely produced all summer until frost. Foliage excellent.

REV. FRANK PAGE ROBERTS. Long pointed buds of golden yellow stained copper and reddish buff. A most distinct variety, developing large golden yellow flowers, especially in late summer.

TALISMAN. A most remarkable piece of coloring, a combination of shadings of gold, apricot, yellow, deep pink and old rose. Free blooming and vigorous.

CLIMBING ROSES

Except Where Noted Prices Are the Same as Bush Rose Prices

CLIMBING AMERICAN BEAUTY. Brilliant carmine flowers of especially fine form and rich perfume, borne singly or in threes on a moderately growing, healthy plant.

DR. W. VAN FLEET. Pale pink buds and flowers equal in form and size to the finest Hybrid Teas, borne on lone, individual stems. The plant makes enormous thorny canes and produces thousands of flowers. Perfect foliage.

EMILY GRAY. An early, yellow rose, borne in small bouquets; however the flowers are fairly large and the foliage attractively holly-like. A robust grower and good bloomer. Much more dependable than Marechal Neil in the latitude of Washington, D. C., or farther north.

CLIMBING KAISERIN AUGUSTA VIKTORIA. Beautiful creamy buds which develop into snow white with a slight tint of yellow at center. Vigorous, free blooming and hardy. Blooms all Summer.

CLIMBING LADY ASHTOWN. Large, well-formed flowers of pale carmine pink with golden yellow at the base. Very dainty and attractive. Blooms all summer.

MARY WALLACE. Long buds and charming flowers of brilliant warm pink. Originated by Dr. W. Van Fleet and considered a better rose than the one which bears his name.

PAUL'S SCARLET CLIMBER. The most brilliant rose known. Large semi-double flowers of a clear vivid scarlet that swarm over the dark-green foliage like balls of fire.

SILVER MOON. In June this rose is a dream of beauty, with its myriad long pointed buds of pale yellow and lovely semi-double flowers of pure white. The deep, rich, glossy green foliage forms a very effective setting for this wealth of beauty.

SUNBURST. Everbloomer. Yellow suffused orange.

ZEPHIRINE DROUHIN. An excellent pillar rose or low climber, having well-formed bright silvery pink semi-double flowers of good size and exquisite perfume. The young foliage is bronzy green and the plant is vigorous and nearly thornless. Blooms all summer.

BLAZE. U. S. Plant Patent No. 10. This is the new everblooming Paul's Scarlet Climber. Very vigorous. Seldom without bloom. **$2.00 each.**

MME. GREGOIRE STAECHELIN. Hardy, vigorous grower. Crimson buds opening to large, perfumed pale pink flowers. **$1.00 each.**

SCORCHER. Very vigorous climber healthy foliage. Blooms scorching red in color, produced in great quantities in the spring and casually after.

PRICES POSTPAID

BOLGIANO'S DAHLIAS

PRICES POSTPAID

The Dahlia is one of the easiest flowers to grow and will thrive most anywhere, but it will respond wonderfully to care. The roots need a friable or loose soil to give their best results. The bed can be prepared as early in the spring as practical and some well-rotted manure worked into it and left until planting time, about May 1st.

The roots should be planted at least five inches deep, then a top dressing of sheep manure may be applied at the rate of 50 lbs. to 200 sq. ft. Dahlias are great feeders and also need plenty of water during the growing season.

When the plants are 18 in. high, tie them to stakes for support, using soft tape or raffia, as ordinary string will cut. When the buds appear, each main bud will have from two to four side buds which should be pinched off, as they are usually inferior and take strength from the main flower.

In making up this list of dahlias we selected those which we have found to be the best among the good varieties within reach of the average gardener's pocketbook. Size, form, color, keeping qualities and the length and strength of the stems have all been factors in the selection.

The Decorative Flowered Varieties

In these, the flowers are full to the center. They are thick but not ball-shaped. The tips may be straight or turned down, and in some varieties the margins are slightly rolled back.

The Cactus Flowered Varieties

These have petals which are typically quilled. This makes them highly artistic in appearance because of their unconventional forms.

Barbara Redfern Decorative Dahlia

EXCEPTIONAL DAHLIA COLLECTION

One Each Six Listed for $3.00, Postpaid

BARBARA REDFERN (Decorative). A lovely combination of old rose tones and gold. The blending of the colors is harmonious and well balanced. The scintillating gleam of gold gives the flowers a cheerful and radiant brilliance softened by the warm rose glow. A truly magnificent flower of huge size, carried on a strong stiff stem. **50 cts. each, 3 for $1.40; $5.00 doz.**

JANE COWL (Decorative). Deep, massive blooms of a bronzy buff and old-gold, blending darker toward the perfect center. A stem of unusual strength holds this giant Decorative over a plant of ideal growth, while the foliage is the thick leathery kind that insects seldom injure. **50 cts. each; 3 for $1.40; $5.00 doz.**

KING TUT (Decorative). An extra large bloom of rich, dark, velvety, glowing crimson burgundy. Of fine formation and closed centers throughout the season. The blooms are of great substance and held high above strong, medium tall, bushes, on extra long stiff stems. **50 cts. each; 3 for $1.40; $5.00 doz.**

MAY TROWER (Decorative). A huge, deep, most artistic flower. Color ranging from palest gold to the richest golden apricot. Sometimes the flowers will be tipped with white, presenting a very novel appearance. Stems are long, stiff and rigid, holding blossoms erect, in spite of size. An excellent garden, as well as exhibition, variety. Unusual in formation, with great depth and substance. **$1.00 each; 3 for $2.50; $8.00 doz.**

RICHELEU (Decorative). A beautiful flower of fine formation. Very attractive. Color, deep velvety red. Prolific bloomer. Disbudding is recommended to secure best blooms. **$1.00 each; 3 for $2.50; $8.00 doz.**

SEAL'S CALIFORNIAN (Decorative). This huge dahlia has a beautiful blending of colors—bright golden yellow at the center shading lighter toward the outer petals, the tops of which are suffused very lightly with a bronze rosy pink. This dahlia has won many prizes. **50 cts. each; 3 for $1.40; $5.00 doz.**

OLD STANDARDS AND NEW FAVORITES

AMUN RA, "THE SUN GOD" (Decorative). This very fine dahlia holds the record of winning first prize for three consecutive years on the Pacific Coast. A gigantic flower. In color, a blending of copper and bronze, with orange and gold tints. **30 cts. each; 3 for 80 cts.; $3.00 per doz.**

BARBARA WEAR (Decorative). A very popular dahlia, of soft and pleasing pinkish lavender to the outer edge of petals. Stems are stiff and strong, and of good length. Flowers are good size, have great depth and substance, and excellent keeping qualities. A winner of Achievement Medal. **50 cts. each; 3 for $1.40; $5.00 doz.**

CALUMET (Decorative). One of the finest good flowering varieties. It is long stemmed, with a perfectly formed flower of chamois and gold. Tall. Exceptionally sturdy and easy to grow. **50 cts. each; 3 for $1.40; $5.00 doz.**

GOLDEN KING (Pom Pom). Very abundant flowering. Pure golden yellow. One of the very finest of the good flowering dahlias, and an excellent pom pom. Good stems. Vigorous grower. **25 cts. each; 5 for $1.00; $2.20 doz.**

INSULINDE (Decorative). A favorite with all who have grown it. Flowers of rich golden orange, with curled and twisted petals. Artistic in shape, and of distinct formation. Flowers mostly face upward on long, stiff stems. A good exhibition and cut flower variety. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

Jane Cowl Decorative Dahlia

JERSEY'S BEAUTY (Decorative). A beautiful rose-pink with silvery sheen. Its stems are very stiff, and although of medium size, it has proven itself one of the favorites of dahlia lovers. It is ideal for cutting and decorating. **30 cts. each; 3 for 80 cts.; $3.00 per doz.**

JERSEY'S BEACON (Decorative). Very large, bright scarlet with a buff reflex. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

JOVE (Decorative). Beautiful bronze pink flowers. Tall grower, with long straight stems. **50 cts. each; 3 for $1.40; $5.00 doz.**

MORDELLA (Decorative). A large flower, held well above the foliage on long, stiff stems. A pure, autumn apricot buff. Shows especially well under artificial light. A vigorous grower and free bloomer. An honor roll dahlia, and frequent prize winner. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

MRS. I. de VER WARNER (Decorative). A blossom of soft orchid coloring and unquestionably a dahlia of great merit. Its charming color, very large flowers, and long, strong, stems made it the cynosure for all eyes at recent exhibitions. A lovely, deep, mauve-pink, of perfect form, a true Decorative type which is impressive in its very large size without exception a leader among the better dahlias. Extremely strong growing, very abundant blooming, and lending itself to either exhibition or garden uses with equal success. **25 cts. each; 5 for $1.00; $2.20 doz.**

SAGAMORE (Decorative). Amber gold, slightly suffused salmon rose and orange buff. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

(Dahlias Continued on Next Page)

DAHLIAS—Continued

Tehachepi Semi-Cactus Dahlia

SALBACH'S WHITE (Decorative). The most perfectly formed white dahlia grown. Blooms of wonderful substance, regular formation, and waxy appearance. Very much admired. Perfect stems, holding the large ivory white flowers proudly erect. **50 cts. each; 3 for $1.40; $5.00 doz.**

SANHICAN'S PRINCESS (Decorative). A desirable dahlia in every way. An early and profuse bloomer of medium size, on good stems. Shrimp pink color that blends well with any other color. Medium to tall plant, with perfect growing habits. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

TOMMY ATKINS (Decorative). A startling dahlia, with huge flowers of flaming scarlet and fine form, held well above the plants on long, straight stems. A vigorous grower and prolific bloomer. Admired by all. **50 cts.; 3 for $1.40; $5.00 doz.**

TREASURE (Decorative). A lovely dahlia of beautiful pastel colorings. Cream and deep pink. The long narrow petals have a delightful twist and turn, and are held erect on strong, long stems. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

GIANT DAHLIA COLLECTION

One Each Five Giant Dahlias, $1.25, Postpaid

EMPEROR (Decorative). One of the best in its class. A strong grower, with large flowers of very deep rose maroon or royal purple, on long stiff stems. An originally high priced dahlia. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

ELLINOR VANDERVEER (Decorative). Very large blooms of satiny rose-pink, with great depth and substance, on fine long, strong stems. A splendid exhibition variety. **30 cts. each; 3 for 80 cts.; $3.00 per doz.**

MARGARET WOODROW WILSON (Decorative). Mammoth opalescent pink creation with exceptionally strong stiff stems. A remarkable creation of creamy white suffused pink, the reflex or reverse side of each petal being a deeper lavender pink. A very fine exhibition flower, and equally good in the garden. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

ROBERT TREAT (Decorative). An outstanding dahlia, of a brilliant American Beauty rose color. Immense blooms on long, stiff stems. A plant of good habits and plenty of blossoms. **50 cts.; 3 for $1.40; $5.00 doz.**

ROSE FALLON (Decorative). When well grown, is a massive flower of old gold, with good stems. An outstanding variety. The flower is of fine formation and type. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

CACTUS DAHLIAS

One Each of the Four for $1.00, Postpaid

ANDREAS HOFER (Cactus). In color it is a most delightful shade of rose-pink blending to yellow at the center. In addition to its exquisite coloring, it has exceptionally long, stiff stems—so long that this is one of the very best dahlias for cut-flower purposes that we have seen among the new creations. It is an especially abundant bloomer, flowering continuously from early July until killed by frost in October. **50 cts. each; 3 for $1.40; $5.00 doz.**

COUNTESS OF LONSDALE. Its flowers are produced on long stiff stems, making it very desirable for cut-flower purposes. Salmon-red or cinnamon-red. One of the most beautiful of the Autumn shades. **25cts. each; 5 for $1.00; $2.20 doz.**

MISS ATLANTIC CITY (Semi-Cactus). A real beauty. Very artistic, long tapered petals which curve back toward stem. Color, lilac-rose, suffused with reddish golden bronze. Best of stems. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

TEHACHEPI (Semi-Cactus). A very large and showy variety. An exceptional free bloomer. The bright canary flowers are held erect on strong stems. A fine yellow dahlia. **30 cts. each; 3 for 80 cts.; $3.00 doz.**

MIXED DAHLIAS

This mixture contains many good varieties and some very fine ones which have because mixed while digging or handling or from which the labels have been lost. It will prove a "surpise" collection. **10 cts. each.; $1.00 doz.**

Bee Supplies

Root QUALITY BEE SUPPLIES

KEEP BEES FOR PROFIT

—

STANDARD HIVE

with metal cover, 10 frames, no foundation, KD

$3.35

ROOT QUALITY HIVES are made of select clear white pine, the corners are accurately dovetailed. The improved handholds are hollowed out to fit the fingers. The metal top is pressed into shape, thereby preventing all leaking. The bottom board is made of cypress. The frames are the new lock-cornered frames that can be assembled faster than any other frames. Full directions are included with each hive.

	Quantity	Wt.	Price
STANDARD HIVE—Metal cover, 10 frames, no foundation	5 KD	149	$15.10
SUPERS—For plain, 4 x 5 sections. No sections or foundation	1 KD	10	1.80
SUPERS—For plain, 4 x 5 sections. No sections or foundation	5 KD	50	8.20
SUPERS—For beway sections. No sections or foundation	1 KD	8	1.00
	5 KD	39	4.60

Frames

Root's Famous Lock-Cornered Frames

	Per 10	Per 50	Per 100	Wt. 100
Hoffman Frames, 9⅛ x 17⅝	$0.70	$2.75	$5.40	46
Sh. Ext. Frames, regular depth, 5⅜	.55	1.85	3.60	26

Sections

Quan.	4¼x4¼x1⅞	Price	Ship. Wt.	4x5x1⅜	Price	Ship. Wt.
100	2440	$1.30	7 lbs.	2450	$1.20	6 lbs.
250	2441	3.15	17 lbs.	2451	2.90	13 lbs.
500	2442	6.00	31 lbs.	2452	5.75	28 lbs.
1000	2443	12.00	62 lbs.	2453	11.50	56 lbs.

Smokers

Standard Tin Smoker. 3¼ x 7 in. Shp. wt., 2lbs.	$1.00
Jumbo Tin Smoker. 4 x 7 in. Shp. wt., 3 lbs.	1.15

Hive Tools

8-inch—wt., 4 oz.	$ .48
10-inch—wt., 6 oz.	.55

Wiring Outfit

Inexpensive Frame Wiring Outfit	$ .50

Airco Combination Foundation

	10 sh.	Wt.	50 sh.	Wt.
3-ply Brood Foundation. 8 x 16¾ inches	$ .90	3 lbs.	$4.15	9 lbs.
Single-ply Foundation	.75	3 lbs.	3.50	8 lbs.
	1 lb.		5 lbs.	
Thin Super Foundation	.70	2 lbs.	3.25	7 lbs.

Send for 64-Page Catalog on Bee Supplies—IT IS FREE

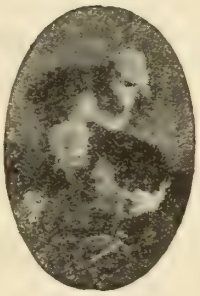
Good Luck Scratch Feed

STANDARD HEN FOOD

For every day in the year. Made from a variety of sound, sweet grains and seeds (including wheat, corn, barley, kaffir, milo maize, sunflower seeds, etc.) properly balanced to keep hens in perfect physical and laying condition. Thoroughly cleaned so that there is no waste, no burnt or smutty grain, NO GRIT OR SHELLS. Write for prices.

Good Luck Baby Chick Feed

SAVES LITTLE CHICKS



Composed of choice grains and seeds—carefully selected—perfectly granulated to precisely the right degree for the youngsters, and screened clean of all fine stuff. This makes a perfectly balanced ration for healthy, hearty and rapid chick development, as well as digestive results. Avoid feeding table scraps to young chickens. In using BOLGIANO'S BABY CHICK FEED according to directions you will never lose a chick from feeding cause. NO GRIT. Write for prices.

Alfalfa Meal

This is a green feed all the year round. Everyone knows that alfalfa is fast supplanting clover. It is very high in protein, and furnishes the chicks a growing food which, at the same time, has a medicinal value. Its value as a helpful egg food is unquestioned.

No mash is complete without it. Aside from food value, it has high medicinal properties. 95 per cent pure clover. **5 lbs., 25 cts.; 10 lbs., 40 cts.; 100 lbs. $2.00.**

Rolled Oats

Excellent starting and growing food for chicks. **5 cts. lb.; 90-lb. bag, $3.00.**

Sunflower

A good, rich food for all kinds of poultry; especially necessary during molting period. **12 cts. per lb.**

Hemp Seed

Wholesome and well liked by pigeons and parrots. **Per lb., 10 cts.**

Bird Rape—Canary

These two make a good balanced ration for canaries. **Per lb., 15 cts.**

Canada Peas

The best pigeon food; also good to sow for hay or plowing under as green manure. **10 cts. per lb.**

Pigeon Feed

This is the best mixture of good, sound grain we have ever seen, and is the result of many years' experience. Forms a balanced ration that will make pigeons grow and keep them healthy. **5 lbs., 25 cts.; 10 lbs., 45 cts.; 50 lbs., $2.00; 100 lbs., $3.25.**

Crystal Grit

One of the sharpest and hardest grits known. **10 lbs., 20 cts.; 100 lbs., $1.00.**

PRICES ON FEED SUBJECT TO CHANGE

Good Luck Meat Meal

Our sales amount to something over 50 tons per year. Why is this? We contend that we give more real value in our MEAT MEAL than any other firm. It makes chickens lay—it keeps them active and healthy. **1 lb., 5 cts.; 10 lbs., 40 cts.; 100 lbs., $2.50.**

Poultry Mash Feed

A combination of ground grain, alfalfa meal, meat meal and everything necessary for producing a large egg yield. Mix with hot water and it is ready to serve. **10 lbs., 40 cts.; 100 lbs., $2.50.**

Crushed Oyster Shells

Important as an eggshell maker and promoter of health. Our shell is clean and free from waste. No. 3 for chicks. No. 2 for adults. **10 lbs., 20 cts.; 100 lbs., $1.00.**

Charcoal

Aids digestion and promotes health of chicks to a wonderful extent. No poultryman can afford to be without it. Specially prepared and guaranteed pure. Grade "3X" medium chick size, and grade "4X," coarse granulated. **2 lbs., 15 cts.; 5 lbs., 30 cts.; 10 lbs., 50 cts.; 50 lbs., $1.35.**

Cracked Bone for Poultry

This article is manufactured from fresh, clean bones, and is perfectly pure and sweet. No chemicals whatever are applied to them in the course of manufacture. Should be fed to the poultry daily, like grain or any other feed. An excellent bone and egg producer, keeping the fowls strong on their legs and largely increasing their laying qualities. Especially valuable for young and growing chicks. **5 lbs., 30 cts.; 10 lbs., 50 cts.; 100-lb. sack, $3.25.**

Kaffir Corn

A splendid substitute for wheat and just the right size to feed without cracking, very palatable and a producer of healthy hens. **5 cts. per lb.**

Steel Cut Oats

Unexcelled for baby and growing chicks. One of the best ingredients of any food used just after the chick starter. Fattening and a promoter of vigorous growth. **1 lb., 5 cts.; 5 lbs., 25 cts.; 10 lbs., 45 cts.; 100 lbs. $3.25.**

Dried Buttermilk

Buttermilk has become one of the most popular additions to the feed list. When mixed with mash it adds a zest which the hens appreciate and eat much more than formerly. This increased consumption pays the farmer large profits in increased egg production.

Do not fail to have an ample supply of Dried Buttermilk on hand throughout the feeding season. Dried Buttermilk is not injured by freezing and will keep indefinitely. Be sure you get Dried Buttermilk when you order, as in all other forms over two-thirds of what you pay for is pure water, which adds unnecessary bulk and costs you more freight.

Our Dried Buttermilk contains over three times as much food value as buttermilk in any other form and costs about one-third less per pound of actual food content. **1-lb., 15 cts.; 5 lbs., 60 cts.; 10 lbs., $1.00; 25 lbs., $2.00; 50 lbs., $3.50; 100 lbs., $6.50.**

"Good Luck" Poultry Litter A PEAT PRODUCT

"Good Luck" Poultry Litter is practically fireproof for use in poultry houses, brooders, coops, scratching pens, etc. It is an absorbent, a deodorizer, a disinfectant, a scratching litter, and a dust bath all in one. To say nothing of its exceptional value as a fertilizer when finally removed.

Small bale sufficient to cover 10 sq. ft. 2 inches deep (enough for the ordinary brooder). **$1.25.** Large bale, **$2.50.** Covering capacity, 80 sq. ft. 3 inches deep.

ADD POSTAGE FOR YOUR ZONE

The original baby food for chicks. Completely nourishes every tiny fibre, bone and muscle, building strong frames and healthy birds. Give chicks a "flying" start.

Ingredients: Dried buttermilk, yellow corn meal, cooked and ground wheat, oat meal, sterilized bone meal, ground millet and rape, wheat middlings, epsom salt, alfalfa leaf and blossom meal, vitamin tested cod liver oil, meat scrap, calcium carbonate, calcium phosphate.

Price, 2¼ lbs. 25 cts.; 5 lbs. 40 cts.; 10 lbs. 60 cts.; 25 lbs. $1.10; 50 lbs. $1.90; 100 lbs. $3.25.

PRATTS GROWING MASH
With Buttermilk

Keep young birds growing every minute Fills them out and develops egg organs properly for heavy production.

Ingredients: Corn meal, oat meal, wheat bran and middlings, choice alfalfa meal, dried buttermilk, vitamin tested cod liver oil, fish meal, meat scrap, sterilized bone meal, calcium carbonate, calcium phosphate, iodized salt.

Price, 25 lbs. 95 cts.; 50 lbs. $1.65; 100 lbs. $2.80.

PRATTS POULTRY REMEDIES

Play safe! A sick birds needs quick relief. Pratt products are famous for their dependability. Avoid questionable substitutes!

Powdered Lice Killer	**25c**
Powdered Lice Killer	**50c**
R–P Tablets	**25c, 50c, $1.00**
Special Compound	**50c**
Gape Compound	**50c**
Red Mite Special	**60c, $1.00, $1.60**
Healing Ointment	**30c**
Poultry Worm Powder, weight 2 lbs.	**50c**
Hog Tonic, weight 2½ lbs.	**50c**
Cow Tonic, weight 2 lbs.	**50c**
Pratts Vitamin Tested Cod Liver Oil (for Poultry and Stock Feeding), gallon	**$1.70**
Chick Tablets	**25c, 50c**
Sore Head Chicken Pox	**60c**

DON'T GO BROKE FEEDING WORMS!

No matter how good the feed, wormy hens can't lay. Young birds are stunted. Proper bone development is impossible. That's because worms absorb the nourishment instead of the birds.

Pratts N-K Capsules never fail to get the worms. They contain nicotine and kamala, the two most highly recommended vermifuges. N-K'S treat both large tape and large round worms at one small cost.

For Adult Fowls, **50 caps., 75 cts.; 100 cap., $1.35; 500 caps., $5.00; 1,000 caps., $9.00.** For Chicks, **50 caps., 50 cts.; 100 caps., 90 cts.; 500 caps., $3.50; 1000 caps., $6.00.**

MORE EGGS IN 15 DAYS OR NO PAY!

Add Pratts Poultry Regulator to the mash as directed. If extra eggs don't start coming by the 15th day, return the empty package and we will refund your money. Pratts Regulator is also great for growing, molting and poorly conditioned birds. **Pkgs., 1½ lbs., 25 cts.; 4 lbs., 50 cts.; 12 lbs., $1.40; 25-lb. buck. $2.50.**

KILLS LICE LIKE LIGHTNING
Costs Only Half

Pratts Roost Paint is 100% active. Yet it costs only half the price of Nicotine Sulphate 40%. Pratts kills lice and mites on hens by just painting the roosts. No handling of birds necessary. Free brush with every can. **½ pt., 75 cts.; pt., $1.25; qt., $2.00.**

PRATTS ANIMAL REGULATOR, pkg., 25 cts.; 3 lbs., 45 cts.; 7 lbs., 85 cts.

PRATTS DIP AND DISINFECTANT, 1 qt., 50 cts.; 2 qts., 85 cts.; 1 gal., $1.45. Also in 5 gals., $6.50.

Carbola is a white paint in powder form combined with a disinfectant many times stronger than pure carbolic acid. It is non-poisonous and non-caustic. It helps prevent the start and spread of contagious diseases that affect man, beast and fowl. It dries a clear snow white. It saves labor, time and money. It paints and disinfects at one operation in the same time and with the same labor required to paint or disinfect only.

Carbola is recommended for use instead of whitewash in every place where whitewash ordinarily is used, and it is recommended for use instead of whitewash and disinfectants in stables, kennels, poultry houses, rabbit hutches, barns, creameries, hog pens, dairy buildings.

It is recommended for use as a disinfectant wherever one is needed and where the added light that comes from a whitened wall—which walls increase the light from 25 per cent to 50 per cent—is an advantage. **5 lbs. 75 cts.; 10 lbs., $1.25; 25 lbs., $2.85; 50 lbs., $5.00.**

A preventive disinfectant for houses and drinking water to keep your flocks healthy.

Stop diseases if infection is brought in.

A deodrant to keep brooders, incubators, birds and premises clean and sanitary.

Liquid

4 oz. Bottle	**$ .30**
10 oz. Bottle	**$ .50**
1 qt. Bottle	**$ .90**
1 gal.	**$2.00**
5 gal.	**$8.50**

B.K. Powder, 9½-oz. bottle, 75 cts.; 1¾-lb. bottle, $1.50.

Germozone

Three times a week add Germozone to the drinking water as a safeguard against White Diarrhea, Coccidiosis, poisoning, digestive disorders and disease germs. It keeps the crop pure and sweet—a real life-saver for chicks. Just as valuable for half-grown and mature fowls.

Germozone is the best remedy and preventive we know of—has been for over thirty years. That's why it is so widely imitated. **75 tablets, 75 cts. (Liquid)—4-oz. bottle 40 cts.; 12-oz. bottle 75 cts.; 32-oz. bottle $1.50; ½-gal. bottle, $2.50; 1-gal. bottle, $4.50.**

ZENOLEUM

A coal-tar disinfectant and dip for poultry and all live stock. Fifty of the fifty-two agricultural colleges in America recommend Zenoleum. (Not Mailable)

8-oz.	$0.35	Half-Gallon	1.25
Pint	.50	One Gallon	2.00
Quart	.75		

Carbolineum

A Practical Fungicide and Vermicide
(Not Mailable)

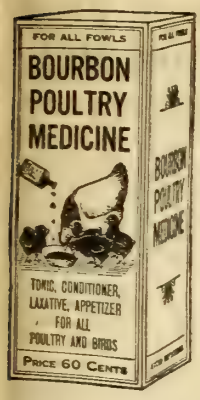
Kills chicken mites or fowl ticks (Blue Bugs) in poultry houses. Applied once a year will do the work. Special care should be taken to saturate all cracks, crevices and joints of wood. It will work in sprayer in warm weather if strained. **$1.65 gallon.**

EGG-O-LATUM

Egg-O-Latum is a soft, white, preservative wax. First applied to the palms of your hands to warm and soften the Egg-O-Latum—then rubbed on the eggs. A dozen per minute can be handled in this way. Do not wash the eggs. Egg-O-Latum keeps indefinitely. **For 50 doz. eggs, 50c. Mailing weight, 1 pound.**

Water Glass

Water Glass for preserving eggs, will keep fresh for months. One pint is sufficient for 8 dozen. **Pt., 2 lbs. 20 cts.; Qt., 4 lbs. 30 cts.; Gal., 13 lbs. 95 cts.**



Bourbon Poultry Medicine

Is a valuable medicine and system regulator for all fowls and birds. A few drops daily in the drinking water helps to ward off disease and puts hens in fine condition for heavy egg laying. Especially beneficial during moulting season.

It acts through the blood as a tonic and conditioner. Aids digestion, improves the appetite, clears the system of food poisons, builds strength and vitality.

Keep your fowls and birds healthy and they will grow faster and lay more eggs. A great aid in starting baby chicks.

Prices

Small size	$ .60	Quart	$2.25
Half Pint	$1.00	Half Gallon	$3.50
Pint	$1.50	One Gallon	$6.00

BOURBON DIP AND DISINFECTANT

1 qt. 60 cts 2 qts. $1.00 gal. $1.60

Barnes Emulsion

Barnes Emulsion is an absolutely harmless health and vitality building product that also prevents worm infestation, and it is well known that intestinal worms are the direct or indirect cause of the majority of all poultry ailments, especially those diseases which become epidemic and cause the greatest losses. 1 qt., $1.00; 1 gal., $3.00.

Walko Tablets

For the drinking water for baby chicks, turkeys, ducks or geese. Also for older fowls.

50 cts. and $1.00 Pkgs.

"BLACK LEAF" WORM POWDER

¼ lb. —treats	100 birds	$1.00
1½ lbs.—treats	600 birds	4.00
3 lbs.—treats	1200 birds	7.50

"BLACK LEAF" WORM PELLETS

100—treats	100 birds	$1.00
500—treats	500 birds	4.00
1000—treats	1000 birds	7.50

"Black Leaf" Worm Powder and "Black Leaf" Worm Pellets are offered as fitting companions to "Black Leaf 40" which revolutionized the control of poultry lice by the "Roost Paint" method of flock treatment.

Now with "Black Leaf" Worm Powder, flock worming may be accomplished as easily as is flock delousing with "Black Leaf 40."

A Triple Combination Worm Medicine containing Kamala (for Tape Worms), Nicotine Sulphate (for Round Worms), and Pyrethrum (for Pin Worms)—all in an INSOLUBLE Capsule.

FIVE TIMES AS EFFECTIVE AS WORM REMEDIES GIVEN IN FOOD OR DRINK

Why? It is INSOLUBLE and therefore carries through to the gizzard. In the gizzard it is ground up, pouring the correct dose in full strength directly into the intestines upon the worms. No starving birds to force eating of bad tasting food. Gets all three kinds of worms.

The most efficient worm remedy yet devised. Quickly and easily given. Used and recommended by many Agricultural Colleges, Experiment Stations, County Agents and leading poultry raisers.

LEE'S Gizzard Capsules, Adult— 50–cap. pkg., $1.00; 100–cap. pkg., $1.75; 250–cap. pkg., $4.00; 500–cap. pkg., $7.00; 1000–cap. pkg., $12.00.

LEE'S Gizzard Capsules, Pullet— 50–cap. pkg., 75 cts.; 100–cap. pkg., $1.35; 250–cap. pkg., $3.00; 500–cap. pkg., $5.00; 1000–cap. pkg., $9.00.

LEE'S Gizzard Capsules, Chick—50–cap. pkg., 50 cts.; 100–cap. pkg., 90 cts.; 250–cap. pkg., $2.00; 500–cap. pkg., $3.50; 1000–cap. pkg., $6.00.

Cel-O-Glass

REINFORCED WITH WIRE

The real glass substitute for poultry houses, chicken coops, barns, hot beds, etc. It is flexible, can be bent double, creased and then opened flat again without the slightest damage. Tack it on as you would wire netting. Admits Ultra-Violet Rays of the Sun which is very essential; 15c per sq. ft. Rolls of 100 ft., 36 in. wide at 13½c per sq. ft.

The *New* VIO-RAY Window Fabric

ADMITS THE SUN'S ULTRA-VIOLET RAYS
STRONG, DURABLE
A Transparent Cloth, Waterproof, Weatherproof
Ideal for Hot Beds, Barn, Hog House and Garage Windows, Repairs, etc.

36-in. wide at 35c sq. yd. in less than rolls
30c sq. yd. in full rolls

INCUBATOR AND BROODER THERMOMETERS

Incubator, Metal, solid stand	$ .75
Brooder, Wood	.75
Brooder, Metal	.50
Moisture Gauge for Incubators	1.00

Celluloid Leg Bands

Made in sizes to fit all breeds, even chicks and pigeons. Colors—black, white, blue, red and green. When ordering state breed and color wanted.

12 for	15 cts.	50 for	35 cts.
25 for	25 cts.	100 for	65 cts.

Leg Bands

ADJUSTABLE

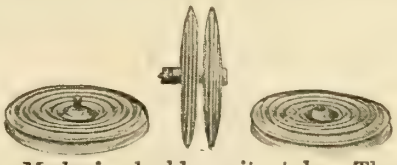
Numbered 1 to 12	15 cts.	1 to 50	35 cts.
1 to 25	25 cts.	1 to 100	65 cts.

Reliable Poultry Bands

In colors with printed numbers. Made of aluminum with colored numbered inserts. Adjustable. Supplied in colors: Red, white, blue, yellow and green and with numbers from 1 to 100 in all the colors. Packed in envelopes.

1 to 12	30 cts.	1 to 50	$1.00
1 to 25	60 cts.	1 to 100	$1.90

RELIABLE BRASS WAFER THERMOSTATS FOR ANY INCUBATOR OR BROODER



3-inch	$.35
4-inch	.50
5-inch	.75

Postage paid

Made in double unit style. They are made of a special tempered brass, vacuum filled and timed to meet their special requirements, so that each and every wafer under a like condition will function the same. They are sensitive, accurate and durable.

'Tis better to PREVENT than CURE!
COCCIDIOSIS—All Intestinal Diseases
Use McKeon's

"Liquid Sulpho"

daily in the drinking water for Chickens, Pigeons, Turkeys, Rabbits, etc. Does the work you want at very low cost.

3–oz. bottles—50 cts. 8–oz. bottles—$1.00

Guaranteed—Your money back if you're not satisfied.

A Handy Sanitary Fount

Made from heavy 26-gauge galvanized iron. Fountain for chicks or grown fowls. Double tank, top fill, spring valve, deep rounded bottom pans. Brace handle across inside tank for carrying water. Perch proof top. Strong handles for removing outer tank. Tanks and pan heavily beaded, red trimmed.

Size	Shipping Weight	Price
No. 73—3 gal.	6 lbs.	$1.50
No. 75—5 gal.	14 lbs.	2.00
No. 208—8 gal.	16 lbs.	2.50

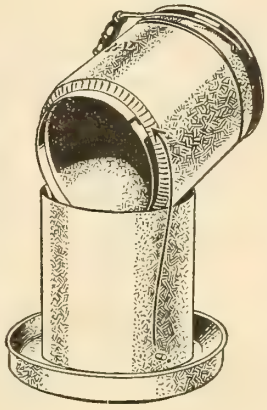
ROYAL 6-QUART GALVANIZED FOUNTAIN

This fountain is made from extra heavy gauge iron and provided with an exceptionally heavy bail. The bottom pan is pressed from one piece of metal and is made from 20 gauge galvanized iron. Turns upside down to fill. Pan is held in place by spring tension furnished by bail and forced in place.

Mailing weight, 4 lbs.

No. 32—6-qt. $1.00

ROYAL CLEANABLE THERMIC FOUNTAIN



This fountain is made from heavy galvanized iron with insulation that keeps the water warm in winter and cool in summer. The lower pan is also insulated to prevent the water that will be exposed to the air from freezing on account of coming in contact with the cold ground or floor. Many birds, in place of just one or two, can drink at one time. It is very easily filled and cleaned, as the outer, which is the insulated tank, slips down over the inside tank into which the water is poured. No valves to get out of order. The outer tank fastens to a metal projection with just a slight turn to the right, after it has been put in place.

5-gallon, price $4.00
Shipping weight, 30 lbs.

Electric Heater

Needs No Attention—Safe and Economical

Cost averages about a cent a day. Can be used with any type fountain, pan or bucket. Extra eggs soon pay for this wonderful Heater, $1.00. Mailing weight, 2 lbs.

FOUNTAIN HEATER AND STAND

Heater and stands are all made of heavy galvanized iron, except the perch, which is of wood.

The Heater is of the open-top type with a hinged door on side so that the lamp can be taken out for trimming of wick or refilling. Furnished with No. 2 burner. Weight, 11 lbs. **Heater, $1.50.**

The Stand is well worth this extra cost, as it places the water up off of the floor, providing more valuable scratching space, also prevents litter from being scratched into the drinking water. Weight, 20 lbs. Stand, $1.50.

Stoneware Fountains and Milk Feeders

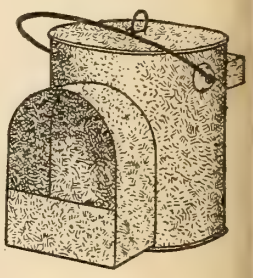
Made of best quality stoneware nicely glazed inside and outside. Recommended by leading poultrymen. Three large openings for feeding buttermilk or sour milk to baby chicks.

We do not send these by mail, express or freight, as they do not carry well.

	Weight	
1 qt.	4 lbs.	$ .40
2 qts.	7 lbs.	$ .45
4 qts.	8 lbs.	$ .50
8 qts.	18 lbs.	$1.00

TWO PIECE CLEAN OUT FOUNTAINS

Top Section Slides Into Bottom Section



The latest and the most practical sanitary fountain on the market. A double fountain. Keeps the water clean and pure and is easy to care for. Made in three sizes.

Mailing Weight

No. 68—4 qts. 3 lbs., single mouth.... $1.15
No. 69—8 qts. 4 lbs. single mouth.... 1.40

CONE FOUNTAIN BOTTOM FILL

No. 71 Fountain

	Mailing Weight	
1 qt. Cone	1 lb.	20c
2 qt. Cone	2 lbs.	25c
4 qt. Cone	2 lbs.	35c

No. 71, 4 qt., 50c
Mailing weight, 2 lbs.

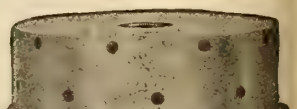
Cone

Fountain and Feeder

Made from extra heavy galvanized iron. No solder used. Very substantial pan with heavy rolled edge; electric welded center; can be used for chick feed as well as water. The glass fountain is designed for dispensing buttermilk and sour milk, also medicine. We do not furnish the glass jars.

Number	Style	Price
0	Galvanized	$ .10
7	Glass	$ .15

THE LITTLE PUTNAM STOVE



Galvanized, each $2.00

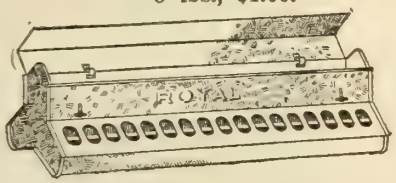
Mailing weight, 3 lbs.

The Little Putnam Stove is used under the drinking vessel in the poultry house to keep the water from freezing during winter months. It is also used as the heat element in the Putnam Home-made Oat Sprouter. The Little Putnam Stove does not furnish hot water to the birds, but water at that tonic temperature which they best relish. Plenty of such drinking water increases the amount of food digested and assimilated, thus promoting the growth and increasing the egg supply.

Royal Chick Hopper

Made from heavy galvanized prime sheets. Holds a peck of feed; has cone-shaped bottom to keep feed from clogging. Edges of holes are turned under which makes them smooth. Top easily removed for filling; bottom easily removed for cleaning. Neat, practical and durable hopper for chicks. Height, 12 inches; diameter, 8 inches; diameter of pan, 12½ inches; 22 feeding holes; capacity, 1 peck; shipping weight, 5 lbs., **$1.00.**

Royal Baby Chick Feeder

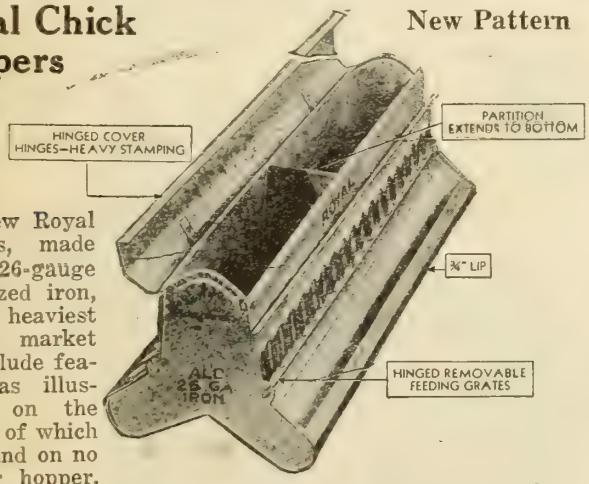


A large capacity double baby chick feeder. Saves time, labor and waste.

No. 42—21-inch, 10-quart capacity $1.00
No. 63—35-inch, 18-quart capacity $1.50

Royal Chick Hoppers

New Pattern



The New Royal Hoppers, made from 26-gauge galvanized iron, are the heaviest on the market and include features as illustrated on the cut, all of which are found on no other hopper. The capacity is much larger and the hopper much better made than any other hopper made. Full length and shipped completely assembled. Adjustable for all ages.

No.	Length	No. of Holes	Shipping Weight	Price Each
342	24 in.	34	7 lbs.	$1.50
363	36 in.	54	11 lbs.	$2.00

Collins Oat Sprouter

This Oat Sprouter will supply green food for 150 hens.

Sprouted oats are recognized as the only practical, sensible and effective way of furnishing poultry green feed.

Made of galvanized iron.

Nests in Corrugated Boxes 4 Inches High

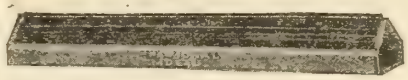
5 Pans—11x15, small back yard size. Weight 9 lbs. $2.50
8 Pans—11x15, the Popular Size. Weight 14 lbs. 3.50
8 Pans—11x32, for BIG Business. Weight 28 lbs. 7.00

Red Reel

Galvanized iron chick feeder, 2″ deep, 4″ wide, square bottom set-in ends. Edge of feeder turned in to prevent feed waste. Equipped with red lacquered wood reel having shade roller end pins to prevent binding, adjustable to two positions.

No. 24—24 inches—Weight, 1½ lbs. ..... 30 cts.
No. 25—36 inches—Weight, 2 lbs. ..... 40 cts.

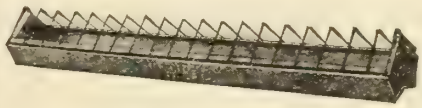
Metal Reel



Heavy 26 gauge galvanized chick feeder, 2″ deep, 4½″ wide, equipped with 4 blade double adjustment red lacquered metal reel. Edge of feeder turned in to prevent feed waste. Strong set-in ends.

No. 32—24 inches—Weight, 2 lbs. ..... 50 cts.
No. 33—36 inches—Weight, 2½ lbs. ..... 60 cts.
No. 34—48 inches—Weight, 4 lbs. ..... 70 cts.

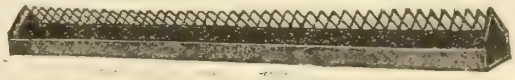
Hinged Grill



Heavy 26 gauge galvanized chick feeder, 2″ deep, 4½″ wide, equipped with extra heavy hinged grill 1″ openings, lacquered red, edge of feeders turned in to prevent feed waste, strong set-in ends.

No. 42—24 inches—Weight, 2 lbs. ..... 50 cts.
No. 43—36 inches—Weight 2½ lbs. ..... 60 cts.
No. 44—48 inches—Weight, 4 lbs. ..... 70 cts.

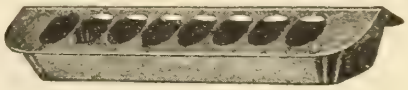
Hinged Grill



No. 51. 40″ broiler feeder, made from extra heavy 26 gauge galvanized iron, 3″ deep, 6½″ wide, equipped with extra heavy hinged wire grill, lacquered red, with 1¾″ openings, edge of feeder turned in to prevent feed waste, strong set-in ends.

No. 51—40 inches—Weight, 5 lbs. ..... 90 cts.

ROYAL CHICK FEEDERS



Round End

No. 2—12-inch ..... .15
No. 2—18-inch ..... .20
No. 2—24-inch ..... .25

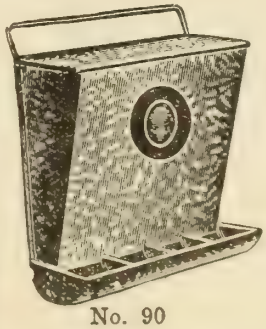
Mailing weight, 12-inch, 1 lb.; 18 and 24-inch, 2 lbs.

Grit and Shell Boxes

There is no more economical method of supplying grit, etc., than with these practical, inexpensive compartment boxes.

Can also be used as feed hoppers for little chicks.

Made of heavy galvanized iron in three sizes. The No. 45 for baby chicks has a square bottom, the other sizes have round bottoms.

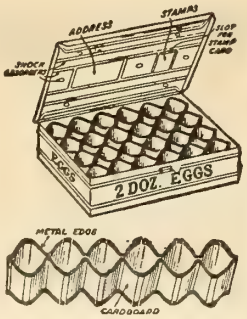


No. 90

No.	No. Compartments	Mailing Weight	Price
45	2	2 lbs.	$ .50
9	3	3 lbs.	$1.00
90	4	4 lbs.	$1.40

PRACTICAL POULTRY FARMING, by L. M. Hurd. Here are practical, useful, and money-making ideas on raising poultry for profit, no matter whether one is entirely green or has years of experience. Newly revised and completely brought up to date for all new discoveries in practical poultry raising. Complete in every detail. 160 illustrations, 478 pages. $2.50

Aluminized Metal Egg Crates

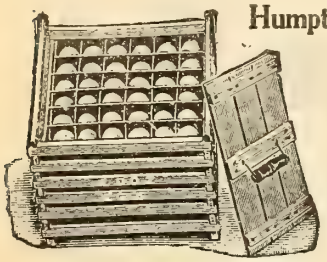


Solve the problem of shipping eggs, butter and other farm products by Parcel Post. They are made for continued use, being of strong construction, but light in weight.

All crates are provided with built-in shock absorbers to give a cushion for the eggs. Fillers to hold the eggs are made for a long life.

Metal Egg Crates do not require any outside wrapping for mailing.

1 doz. Size.	All eggs.	Weight empty	2 lbs.	$1.00
1½ doz. Size.	All eggs.	Weight empty	3 lbs.	1.25
2 doz. Size.	All eggs.	Weight empty	3 lbs.	1.25
3 doz. Size.	All eggs.	Weight empty	4 lbs.	1.50
4 doz. Size.	All eggs.	Weight empty	5 lbs.	1.75
6 doz. Size.	All eggs.	Weight empty	6 lbs.	2.00
9 doz. Size.	All eggs.	Weight empty	8 lbs.	2.50
12 doz. Size.	All eggs.	Weight empty	10 lbs.	3.00
15 doz. Size.	All eggs.	Weight empty	11 lbs.	3.50



Humpty Dumpty Folding Egg Crates

The Humpty Dumpty Egg Carriers are strong and durable cases, the favorite of thousands of shippers in the poultry industry. Parcel post or express. It delivers the eggs in the best shape, giving the largest return. The eggs it saves soon pays for itself.

Size	Mailing Weight	Price
3 dozen	Empty 4 pounds	$0.60
6 dozen	Empty 5 pounds	.75
12 dozen	Empty 7 pounds	.90
15 dozen	Empty 8 pounds	1.00

IDEAL EGG BOX

This is an Ideal Box for handling retail Egg trade, presenting the goods to the customers in an attractive package with the minimum amount of trouble for the seller. They knock down in a very compact shape, and the prices which we name are extremely reasonable.

One dozen size—15 cts. per doz.; $1.00 per 100; $2.25 per package of 250; weight, 30 lbs.; $8.25 per 1,000.

			Weight
EGG CASE FILLERS.	One set of 10, 30 doz.	$0.35	4 lbs.
	One case, 10 sets	3.25	50 lbs.
CHALK NEST EGGS.	3 cts. each; per dozen	.30	2 lbs.
GLASS NEST EGGS.	3 cts. each; per dozen	.30	1 lb.

EGGPAK Prevents Breakage

Guaranteed NOT TO DENT

Cuts Shipping Costs

"EGG-PAK" is constructed of genuine indestructible fibre, reinforced and riveted to stand any abuse or rough handling. GUARANTEED NOT TO DENT. Hinged cover opens and closes easily. May be sealed with wire, if necessary.

The patented SURETY CUSHION FILLERS in "EGG-PAK" hold any size egg in an individual cushion compartment. Eggs can not touch one another no matter how "EGG-PAK" is knocked about. No paper is needed to wrap eggs. Simply place eggs in individual cushion compartment. Every egg rides on a spring cushion. No chance to break or crack.

By actual test "EGG-PAK" is 2 to 3 pounds lighter than other carriers. The saving in postage pays for "EGG-PAK" in a few trips.

Patented reversible address card and stamp space makes shipping simple and easy. "EGG-PAK" is highly recommended wherever it is used.

Size	Weight	Price	Size	Weight	Price
2 doz.	2½ lbs.	$1.80	8 doz.	5 lbs.	$2.95
4 doz.	3½ lbs.	2.35	10 doz.	5½ lbs.	3.30
6 doz.	4 lbs.	2.60	12 doz.	6½ lbs.	3.65
15 doz.	8 lbs.	$3.95			

Electric Incubator

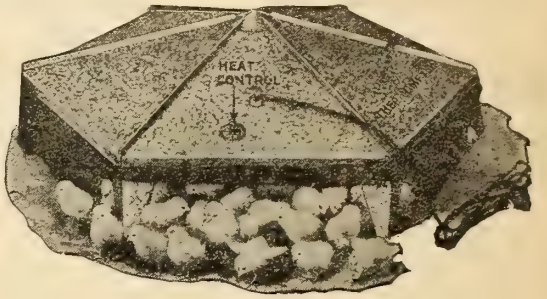
85 egg size $19.00

150 egg size $23.00

300 egg size $28.00

450 egg size $36.00

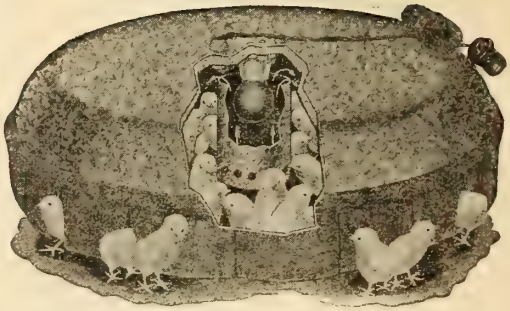
Electricity is the ideal heat, without the care, fumes, dirt, and DANGER OF FIRE which you are sure to find in other style machines. Day or night, warm weather or cold, your temperature never varies, but stays steady and even, right where you set it. Think what this means! No lamps to fill, no wicks to trim, no coal to carry, no work or worry of any kind—everything automatic. Costs less than a cent an egg to operate. Lasts a life time.



No.	Canopy	Capacity	Weight	Approx. Watt Power	Cost Per Day	Price
K-829	29 in.	100 day-old	27 lbs.	150	15c	$ 9.50
K-837	37 in.	300 day-old	50 lbs.	220	20c	13.50
K-847	47 in.	600 day-old	60 lbs.	380	30c	18.50
K-862	62 in.	1000 day-old	75 lbs.	500	45c	22.50

Furnished for 110 volt alternating current. Prices include 8-ft. cord and socket connection. Violet Light Bulb, Automatic Heat Control and Thermometer.

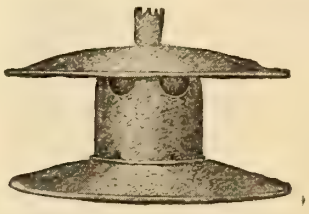
Junior Electric Hover



is furnished complete with curtain, 10 ft. of cord and screw plug. No bulb furnished, as any ordinary light bulb will do. We recommend you to purchase the Violet Light Bulb at 75c each.

No. K-22X—22-inch diameter, capacity 25 to 50 chicks; packed 1 in carton ready to mail. Weight, 8 lbs. Each $3.50

No. K-30X—30-inch diameter, 125 chick capacity. Weight, 16 lbs. Price each 5.00



Galvanized, each $4.75

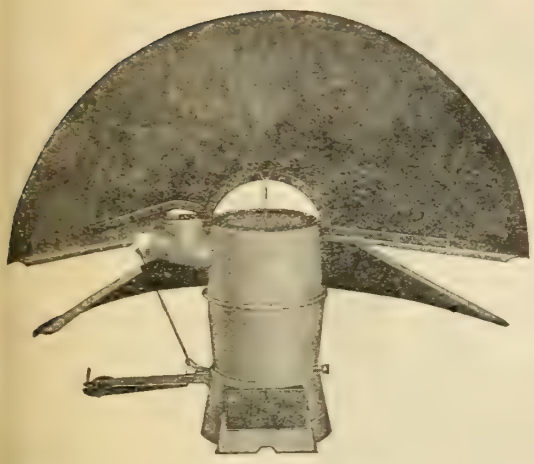
Mailing weight, 5 lbs.

Brooder Heater

This fire-safe Putnam Brooder-Heater is the heart of the Putnam Home-Made Brooder. It requires tending only once a week and can be relied on to deliver a regular supply of heat. This practical brooder is made of a shoe box approximately 32 inches long, 16 inches wide and 10 inches deep. It will accommodate from 30 to 60 chicks. The entire cost, including the Putnam Brooder Heater need not exceed $4.96.

NATIONAL COAL BURNING BROODERS

NEW -- LARGER -- IMPROVED



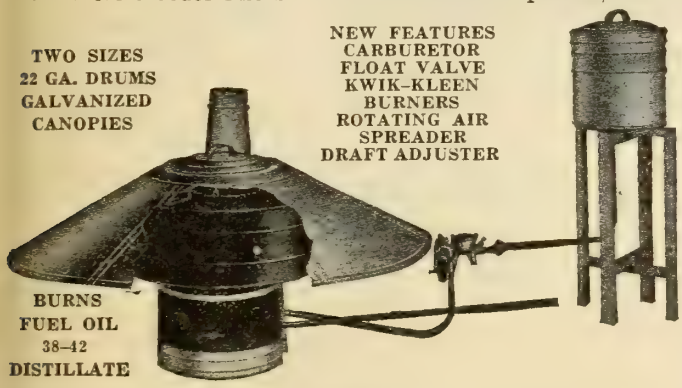
NEW FEATURES

1. Larger Coal Capacity.
2. Wider grates.
3. Straight heavy cast iron fire bowl (no coal clogging).
4. Double Thermostat controlled direct and check draft.
5. Large 9″ opening for filling.
6. Patented exterior baffle arm—5″ pipe.
7. Extended base (prevents live coals dropping on floor when shaking).
8. Ash pan furnished.
9. Double action double hinged wire bound heavy canopy.
10. Lacquered in battleship grey—blue trim.

No.	Size Canopy	Coal Capacity	Height	Dia. of Grate	Shipping Weight	Price
3	52″	45 lbs.	21½″	9½″	105 lbs.	$15.29
4	56″	70 lbs.	24½″	11″	135 lbs.	$17.98

NEW -- DRUM TYPE -- IMPROVED

A new line of safe brooders with ample heat capacity for early chicks; simple to install and operate. Uses but 1½ to 4 gals. of cheap distillate in 24 hours operation. The most economical brooder line both in first cost and operation.



DRUM

Made from 22 gauge auto-body steel, finished with permanent rust-proof grey enamel. Large heat passages eliminate frequent cleaning. Brackets fastened to top of stove support the canopy which covers entire top of stove. Smoke and gases are drawn off through the 5″ pipe which connects with automatic draft regulator which is furnished.

BURNER

Kwik-Kleen Burner burns with a clean blue-white flame. It is made of steel with a cast iron rotating air spreader and carbon scraper. It cleans quickly by a twist of the handle which revolves the air spreader and scrapes the carbon off the edges of the burner while burning. No flame spreader is required due to bottom and air spreader being so shaped that the intense heat strikes the cylinder without the aid of a flame spreader. This new burner is fully protected by patents and is very easy to start.

TANK

Heavy galvanized tank furnished with tight removable cover. Can also be connected to a 50-gal. drum. All piping standard ⅜″ black iron pipe.

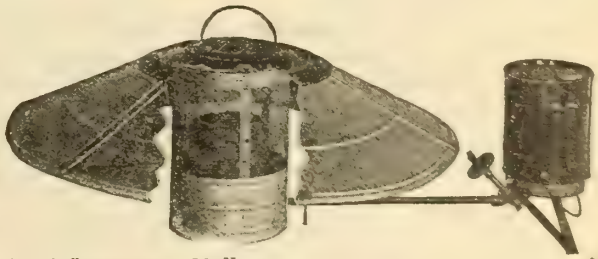
REGULATOR

New carburetor type regulator. Consists of a bowl in which a constant oil pressure is maintained on the metering valve by a carburetor float which enables the thermostat to do its job of regulating better than if the thermostat was also required to hold back uneven oil pressure due to a full or nearly empty oil supply tank. Bowl also acts as strainer or settling basin for water or dirt. Has maximum and minimum regulation screws and complete shut-off valve. Patent applied for.

CANOPY

Heavy galvanized iron round canopies made from die cut and formed sections, are easily assembled and rigid. Removable enameled top and cleaner damper furnished. Canopy rests on legs fastened to top of brooder. Brooder rests on heavy steel legs 7″ from floor supported by channel U bars between each leg. Screen guard and sand ring furnished.

No.	Size Canopy	Size Drum	Shipping Weight	
7	42″	20″ x 6½″	50 lbs.	$12.49
9	52″	24″ x 8½″	60 lbs.	$13.98



No. 5—42″ canopy—29 lbs. $9.49
No. 6—52″ canopy—33 lbs. $10.79

Packed in one shipping carton

These brooders are equipped with the large size, standard Nesco blue flame asbestos ring burner, thermostatically controlled, having a standard 3″ double brass wafer. The burner is protected by a heavy metal frame and screen to prevent fire and the brooder is also equipped with a screw type levelizer, as is shown in the drawing and direction sheet packed with brooder which will also give you any further details you may want.

Bolgiano's Thoroughbred Baby Chicks

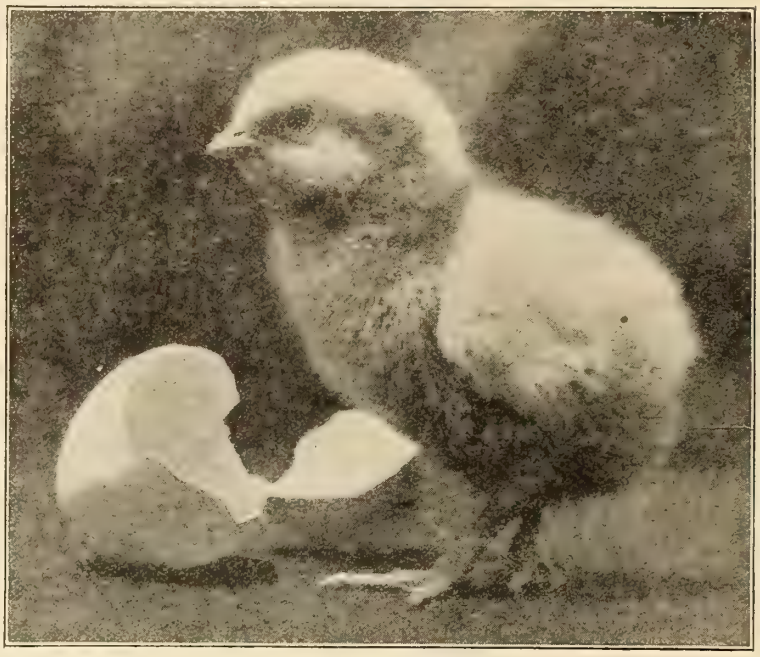
Bred For Constitutional Vigor and Heavy Egg Production

Strong, Healthy, Lively, Chicks

From Maryland State Certified Two-Year-Old Breeders

The elimination of doubt in incubating eggs has been such a boon to poultry raisers that the baby chick business, at first a subject of ridicule, has become one of the largest departments of the poultry business.

Our trade in baby chicks has increased with such rapidity that it is almost impossible to tell with absolute certainty what proportions our sales will be the coming season. Nevertheless, we know that the safest plan for our friends to follow is not to wait until late in the season or until a few days before you wish the chicks, but to order early and be sure of getting your order in good time.



Be sure when writing us that your full name and postoffice is very plainly given. State plainly the number and variety of chicks you want, when wanted, and we will acknowledge receipt of your order at once, and tell you about when the chicks will be shipped.

Cash must be sent with your order, for we cannot ship C. O. D., by express or parcel post.

We guarantee to deliver 97 per cent of the Baby Chicks to you in good condition.

Single Comb White Leghorns

The ever-increasing demand for Leghorn eggs in the New York market has led observing poultrymen and farmers to look to the Leghorn hen for highly profitable results.

The White Leghorn, generally known as "America's Business Hen," has proven a winner, and today there are hundreds of large and small commercial Leghorn farms successfully operated in New York, New Jersey, Maryland and right through to the South and far Western coast.

Rhode Island Reds

As a "business hen" for eggs and meat they are hard to beat. They lay a well-shaped, good-sized brown egg, and mostly uniform in shape, size and color.

The matured feathering of the Rhode Island Red is not as yet uniform in coloring. This is being improved each year, to the great credit of hundreds of our best breeders of America.

We can also supply other varieties you may wish, and will gladly answer your inquiries with lists and prices.

By Mail

We Pay the Postage.
We Guarantee to Deliver to you 97 per cent of the Chicks in good condition.

Variety	25 Chicks	50 Chicks	100 Chicks
S. C. White Leghorns	$3.50	$6.00	$11.00
Black Jersey Giants	4.00	7.00	13.00
Barred Plymouth Rocks	3.50	6.50	12.00
S. C. Rhode Island Reds	3.50	6.50	12.00
Buff Rocks	3.50	6.50	12.00
White Wyandottes	3.50	6.50	12.00

Write for price on larger quantities. Prices decline as season advances.

Examine the Shipments

On arrival open box, if any chicks are dead have postman mark number on the back of the receipt and return the receipt to us, and we will refund your money for them or replace them free of charge. In this way you have no loss and get full number you pay for. We have successfully shipped baby chicks 1,000 miles and can guarantee safe arrival.

All claims must be made within twenty-four hours, together with a statement from your postmaster, showing the chicks were received in poor condition.

Have the brooder warmed up and ready to receive and care for the chicks properly.

Don't give baby chicks cold water to drink. Don't overfeed chicks. Either of the above will start bowel troubles. Feed liberally, so long as they keep active. Keep their backs warm.

If prices are reduced at the time of shipment the purchaser will be proportionately credited with the amount due or enough additional chicks shipped to make up the difference, or money will be refunded.

If chicks ordered are not wanted for a month or more, 25 per cent of payment is all that is required at the time of placing order. Balance must be paid ten days before date given for shipment. All orders are acknowledged same day received, with approximate date of shipment given.

White Wyandottes

This is one of the oldest breeds and only its sterling qualities have kept it from being discarded long ago. They are beautiful fowl with large red rose comb, white plumage and yellow skin. They are splendid layers and make first-class table fowl. Our Wyandottes are developed from a flock, a pen of which won first prize in one of the recent egg-laying contests.

Barred Plymouth Rocks

The Barred Plymouth Rock is most widely known as a general purpose fowl, a breed which has proven its value as a market fowl and an egg producer. They are extremely and well adapted as a profitable and popular farm flock.

We breed for constitutional vigor, thereby maintaining the greatest vitality of the flock to attain as high an egg production as is consistent with retained vitality.

Manure Spreaders

No. 4—Capacity 60 bus., 2 horse hitch,

$155.00

Lime Spreaders

The bottom of the Nonpareil Sowers is made of heavy sheet steel, bent into a half-round shape. A heavy sheet steel feed plate working in keepers forms the feeding device. There are punched in the bottom and feed plate 20 round holes or outlets, 2 inches in diameter, through which the material passes to the scattering board. These holes are 4⅝ inches apart from center to center, and extra plates can be furnished for sowing in rows.

Price, $47.00

Capacity, 10 Bushels—Sowing Swarth, 8 Feet

McCormick Deering Double Agitator, $81.50

The New Idea Transplanter

Plan to set your next crop the New Idea way—it will mean extra profits for you.

Booklet with full illustrations on request. **Price $110.00.**

Extra Attachments

Fertilizer, $17.00 **Check Row with Wire, $45.00**

Land Roller

This is the most popular Land Roller on the market. Heavy, stiff angles are used on the sides and ends, to which the steel hangers are securely bolted, and the frame is so arranged that it will carry sufficient weight to suit the requirements. **Price, $40.00.**

McCormick-Deering Gear Drive 10-20-Tractors

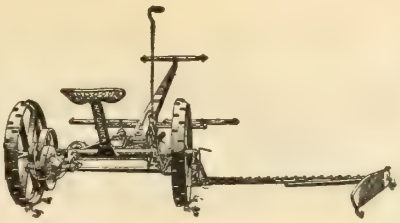
A powerful, sturdy machine with a new ball-bearing engine.

The most dependable and durable tractor you can buy at any price. **$870.00, delivered.**

Farmall Tractor

Plows, harrows, mowes, cultivates and does other jobs with only one operator. **$885.00.**

McCormick-Deering Mowers



Are strong, light running machines, having a world-wide reputation for light draft, efficiency and durability.

3½ ft. cut, McCormick only. One-horse. Vertical lift **$75.00**

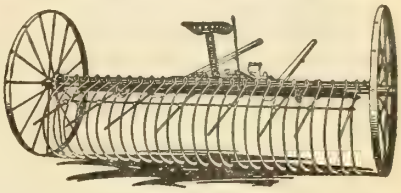
5 ft. cut—two-horse. Regular lift..... **$79.00**

5 ft. cut—two-horse. Vertical lift..... **$80.00**

Mower Knife Grinders $5.00

McCormick-Deering Self-Dump Hay Rakes

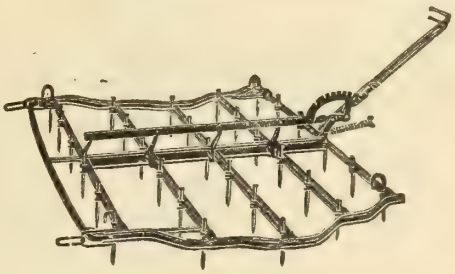
The self-dump feature is properly designed and never fails to work. All the operator has to do is to press a small foot lever and the horses do the rest.



8 ft. ..... **$41.50** 9 ft. ..... **$44.50** 10 ft. **$47.50**

Side Delivery Rake and Tedder, **$105.00**

"U" Bar Lever Steel Harrow

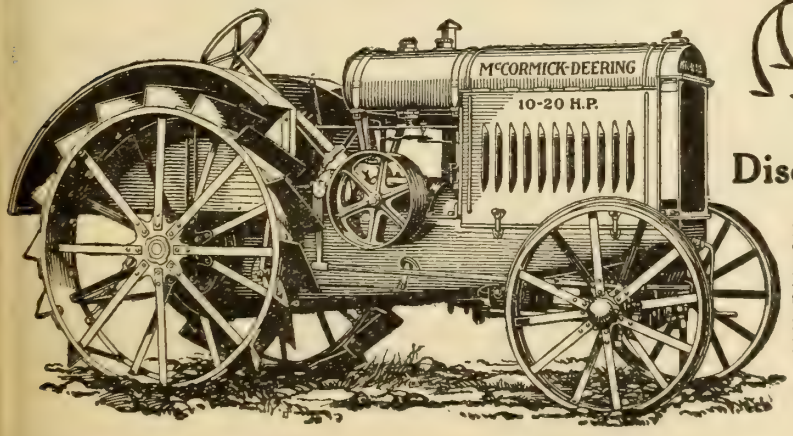


So Arranged the Teeth Cannot Track. This Harrow has a frame of steel, bars of "U" shaped steel well braced and securely fastened at each end to the frame. This gives the Harrow a double advantage, strength and rigidity, and is a guard against catching into trees and stumps. The teeth can be set to any pitch or cut desired.

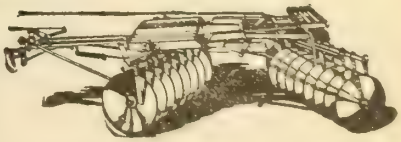
Price: 25-Tooth, Without Drawbar, $8.00; 50-Tooth, $18.40

Spring Tooth Harrows

15-Tooth ..... $23.50 **17-Tooth $25.00**



Disc Harrow



The time is long past when a farmer or market gardener can do without a Disc Harrow. When your ground is weedy and lumpy, then is the time when you need and want a Disc Harrow. Disc Harrows are strong, yet not too heavy; easy on horse and man; saves labor—that means, save money; does the work better than it is possible to do it with a plow or any other harrow.

6 Ft. Double Disc Tractor Harrow, $96.00. Eight 16-inch discs, $52.00; Ten 16-inch discs, $56.25; Twelve 16-inch discs, $61.25.

The above prices include Forecarriage, but without tongue. If Forecarriage is not wanted, deduct $8.50.

Wiard Road or Contractors' Plows

No. 65. Medium; weight, 200 lbs.

The cut illustrates the No. 65 Plow, which is very substantial, and is heavy enough for ordinary road or contractors' work when used with 2 or 4 horses.

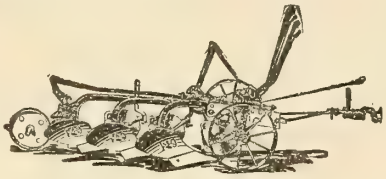
A Cast Iron Point, made from the best quality of charcoal iron, very strong and heavy.

Price, with Wheel or Shoe	**$33.00**
Price, without Wheel or Shoe	**30.00**
Extra for Forged Steel Point	**5.50**

Wiard Pavement or Rooter Plow

No. 67. Four or Six Horse; weight, with clevis, 250 lbs. This Plow has great strength and is adapted to contractors' work and for tearing up cobblestone or macadam pavements. **Price, $43.50. With Steel Beam, $60.50.**

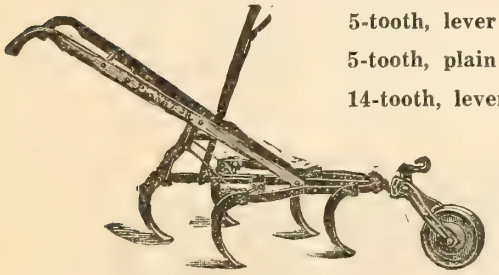
Tractor Plows



LITTLE GENIUS. Heavily built for sturdy service, yet due to three wheel construction is of very light draft. Price, two 14-inch bottoms, $112.00.

LITTLE WONDER. A light, two-wheel plow, giving exceptional satisfaction to all users. Price, two 12 or 14-inch bottoms, **$92.00.**

Cultivators



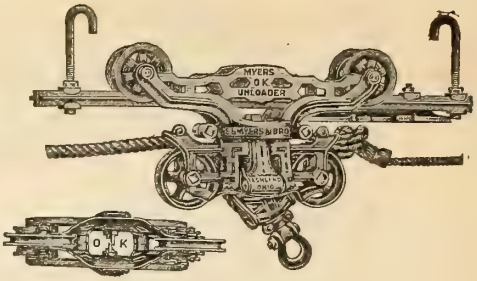
5-tooth, lever	$5.50
5-tooth, plain	5.00
14-tooth, lever	8.00

14-tooth, plain $7.25.

McCormick-Deering New No. 4 Two Horse Riding Cultivator

The most popular riding cultivator made. (Hill dodging is accomplished by means of two fork pedals placed just right for driver's feet. An easy pressure on either pedal pivots the wheel axles, carrying the cultivator to the right or left, as the case may be. At the same time the gangs shift sideways, keeping the shovels constantly parallel.) So easy to operate that a boy can do the work of a full-grown man.

Furnished with 6 shovels	$61.75
Furnished with 8 shovels	66.00



Hay Cars

No. 200—5-in. Pulley and Sheaves	$10.25
No. 209—7-in. Pulley and Sheaves	12.50
Double Harpoon Hay Fork	3.00
Double Steel Track with Clamps, per foot	.23
Hangers, each	.18
Rafter Brackets, per 100	5.00
Floor Hooks	.15
Knot Passing Pulleys	.70

Chattanooga Plows

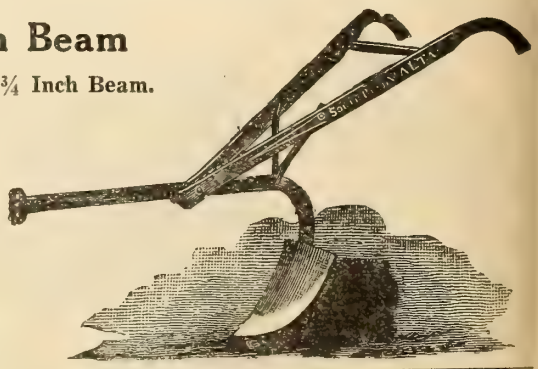
No other implement used in farm work requires more accurate adaptability to the work in hand than a plow. Eighty years of plow-building experience is wrought into the Chattanooga. Eighty years of study of soils and of the bottom shapes and kind of steel best adapted to scouring under varying soil conditions. The result is a line of plows that enables you to select one exactly suited to your own particular requirements. The following are the most popular types:

No. 70. One-horse, light 7-in. share, 6 to 7 ins. capacity	$6.75
No. 43. Two-horse, light 8-in. share, 9 to 10 ins. capacity	12.75
No. 44. Two horse, medium 9-in. share, 10 to 11 ins. capacity	15.25
No. 45A. Three-horse, light, right and left hand, 10-in. share, 12 to 13 in. capacity	16.50
No. 46. Three-horse, heavy, right and left hand, 11-in. share, 14 to 16 ins. capacity	19.00

Single and Double Shovel Plows

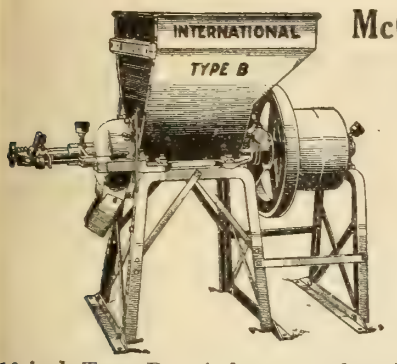
Iron Beam

Has 1¼ x ¾ Inch Beam.



Double Shovel Plow, $4.25.

Single Shovel Plow, $3.25.



McCormick—Deering Feed Grinders

Are well known as machines of large capacity and light draft. This is made possible by the use of self-sharpening and self-cleaning Star Plates and a ball-bearing thumb bearing.

6-inch Type B, grinds Corn and cob.....$34.40
8-inch Type B.....$48.25
10-inch Type D, grinds corn, cob and husk.....$61.50
Hammer Mill (Low Cyclone and 2-Way Bagger).....$97.50

Lever Feed Cutter

Simple, durable, handsome, cheap. It has an 11-inch tempered curved knife, which can be adjusted to take up the wear, thus giving a perfect shear cut at all times.

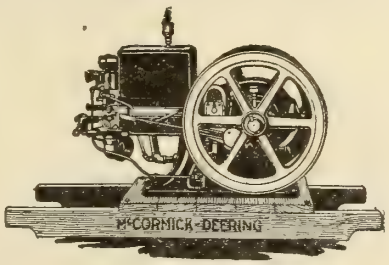
Price—$7.25

McCormick-Deering Kerosene Engine

Very simple and perfect System of Hopper Cooling.

Frost Proof.

Removable cylinder sleeve. Simple, effective kerosene mixer; unusually accessible and easy to operate.

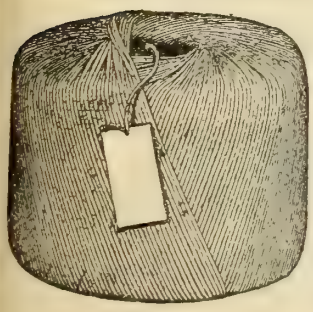


1½ H. P., $67.00; 3 H. P., $108.00; 6 H. P., $165.00

Hand and Power Corn Shellers

No. 3 Single Hole Sheller—$14.75
No. 7 Double Hole Sheller—For Hand or Power—$32.50

Binder Twine



It is well understood that good binder twine is essential to sucessful binding. Uniform size and strength are the characteristic features of our binder twine. It will not kink and clog the knotter or pull thin and break. 500 feet to the pound. **Price, 10 cts. per lb. Special prices on bale lots.**

Manila and Sisal Rope

Always on hand, the best Manila, Sisal and Cotton Rope, in coils or by the piece, at prices consistent with the quality. Prices on application.

Plow Lines

Fourteen yards of ⅜ inch Sisal rope, **45 cts.**

De Laval Cream Separators

A remarkably easy running Separator. It gets all the cream which may be regulated to test from 15 to 55% butter fat by an easily adjusted cream screw.

GOLDEN SERIES
Ball Bearing

	Pounds Per Hour	
No. 10	350	$92.50
No. 12	500	102.50
No. 16	750	117.50

Sterling Series

S-10	350	$82.50
S-12	500	92.50
S-16	750	107.50

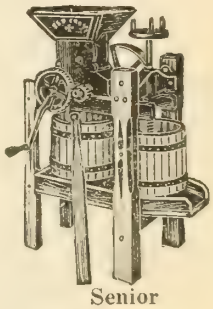
JUNIOR SERIES

No. 1, 150 lbs. per hr., **$30.00** No. 2, 225 lbs. per hr., **$32.50**
No. 3, 300 lbs. per hr., **$37.50**
Stand for Junior Series, **$10.00**

Do Your Milking with a De Laval

Cider Mills and Berry Presses

All materials used in our mills and presses are carefully selected. Wood is extra heavy to assure greatest strength and rigidity. Screws are cold rolled steel with Acme thread.


Senior

Single Cage Mill
Jr. Double Cage Mill
Medium Double Cage Mill
Sr. Double Cage Mill
No. 1 Berry Press
No. 2 Berry Press
No. 3 Berry Press

Write for Prices

RED CHIEF GRINDING MILL
Price $4.00

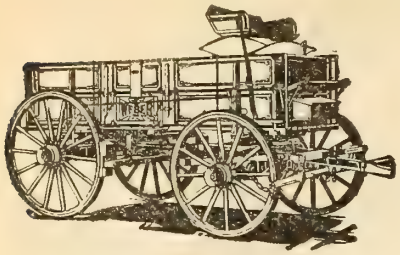
RED CHIEF CORN SHELLER
Price $2.10

2 Ply Jute Twine

Most used for tying vegetables and general purposes; in balls or twist; per lb.....$0.22

Tarred Fodder Twine

High grade even Sisal twine, 50 strands to the twist. 21 oz. **12 cts. per lb.** Full bales of 25, 50 and 100 lbs. at **11 cts. per lb.**



Wagons

We sell but one grade of wagons—the best—the first and highest grade. When the farmer understands the real value and worth of our wagons and realizes that there is something else in the buying of a wagon besides its first cost, he will have no other. Only the best of inspected lumber gets into our wagons. The highest class of workmanship is employed and every section of this country receives our wagons, specially designed, air-cured, and built for the climatic conditions to be found there.

If the buyer understands fully just why our wagons are good wagons he will realize either that they are priced much too low, or other wagons much too high.

We sell a wagon specially designed for practically every hauling purpose—both on the farm and elsewhere.

N23—2-horse farm, medium Weber	$118.50
N24—2-horse farm, standard	123.85
N332—1-horse, medium, 2-inch tire	61.50
Box brake extra, 2-horse	12.00
Box brake extra, 1-horse	7.25
Spring seat, high back	6.50

Our Handy Steel Wheel Farm Trucks

Wood Hounds, Well Braced. Hickory Axles

All wood parts hardwood and well painted. The grooved tire, $45.00.

Grindstones

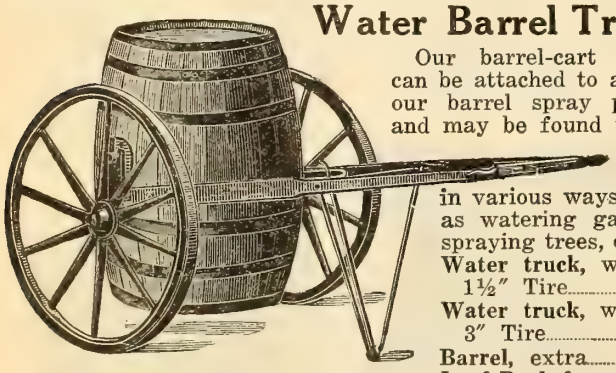
No. 1	$10.50	No. 3	$8.75
No. 2	9.35	Steel Frame	7.75

Sickle Grinder $5.00

Scales

20-lb. Huckster Scales with scoop	$ 2.75
20-lb. Huckster Scales with scoop, glass covered dial	$ 3.50

Water Barrel Truck

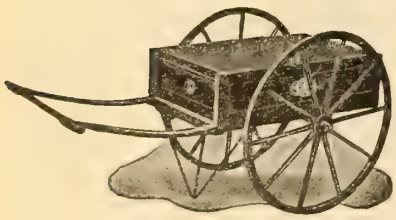


Water Truck as used with Barrel.

Our barrel-cart which can be attached to any of our barrel spray pumps and may be found useful in various ways, such as watering gardens, spraying trees, etc.

Water truck, with 1½″ Tire	$14.50
Water truck, with 3″ Tire	$16.50
Barrel, extra	$4.00
Leaf Rack for above	$10.75

Push Carts



No. 0 Lansing $18.00
Size of Box, 48x28x10.

No. 1 Lansing $16.50
Size of Box, 40x23x10.

No. 2 Lansing $15.25
Size of Box, 32x20x9.

Certain-teed Best Quality Roofing

1 roll roofing is sufficient to cover 100 square feet of roof space. Price given is per roll.

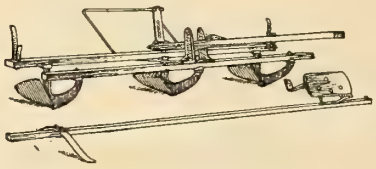
1-Ply $1.60 2-Ply $2.30
3-Ply $2.65

RED AND GREEN SLATE TOP ROOFING. Price $2.50

CORPORAL ROOFING

1-Ply $1.35 2-Ply $1.60
3-Ply $1.90

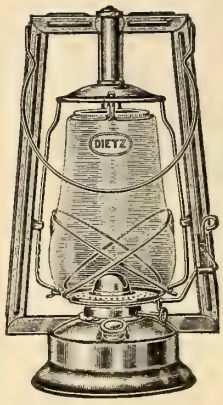
Bolgiano's Improved Three-Row Marker



Has three chilled shoes, or runners, with steel wings, bolted on, and may be easily replaced when worn.

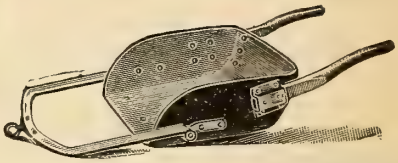
The frame is made of seasoned oak. The runners may be changed by loosening two bolts, to mark furrows 28 to 48 inches apart. Price, with pole, without seat $21.00

Dietz Lanterns



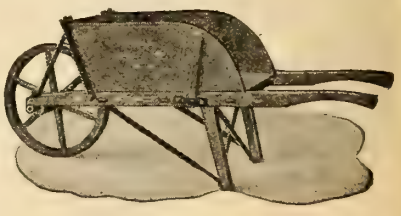
Dietz Victor Lantern	$.95
Dietz Victor Red Lantern	1.35
Dietz Regulation Lantern for Wagons	2.15
Dietz Blizzard Lantern (can't blow out)	1.60
Dietz Little Wizard (can't blow out)	1.15

Steel Drag Scraper



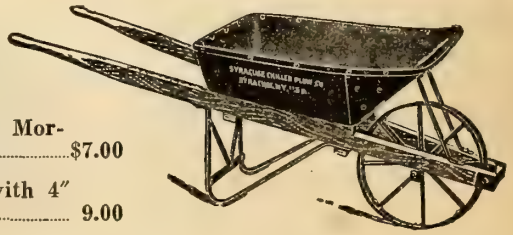
No. 1—Capacity about 7 cu. ft. of earth, 98 lbs.	$8.75
No. 2—Capacity about 5 cu. ft. of earth, 90 lbs.	8.00
No. 3—Capacity about 4 cu. ft. of earth, 75 lbs.	7.00

Wheel Barrows



No. 1 Buch's Large Size	$8.00
No. 3 Medium Size	6.50
Flapper Barrow, Steel Tray and Wheel	4.00

Barrows



F3. Steel Tray Mortar	$7.00
Golf Barrow with 4″ Wheel	9.00

Harness

Halters, Leather, 1¼ in., machine-made	$1.75
Leather Cow Halter	1.25
Cart Bridles, extra heavy	3.00
Plow Harness, complete, per set (less Collar)	8.50
Trace Chains, per set	$1.20
Breast Chains, per set	95c to 1.35
Butt Chains, per set	1.45

TIE OUT CHAINS

4½ foot	25 cts.
20 foot	65 cts.
30 foot	$1.00
Tick Lined Collars	$3.50
Red Edge Collar Pads	60 cts.
CURRY COMBS	$0.25
HORSE BRUSHES	50c to 2.75
MANURE STABLE FORKS	1.65

NEAT'S-FOOT OIL. Qt. 50 cts.

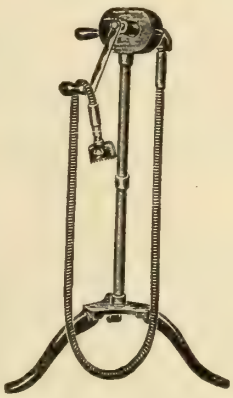
HAME STRAPS. 1 inch, machine-made, 30 cts. each; $3.00 dozen.

HAMES, No. 61. Virginia cart, $1.75 per pair.

BULL RINGS, 3-inch copper, 45 cts.; 3½-inch copper, extra heavy, $1.85.

STEEL SINGLE TREES	$ .60
STEEL PLOW DOUBLE TREES, Reinforced	1.40
Wooden Plow Set, Complete	4.50
U Bar Steel Set, Complete	3.95

Stewart No. 1 Enclosed Type Clipping Machine



The Only Ball-Bearing Clipping Machine

Price, complete for horses, $12.50

Extra Blades

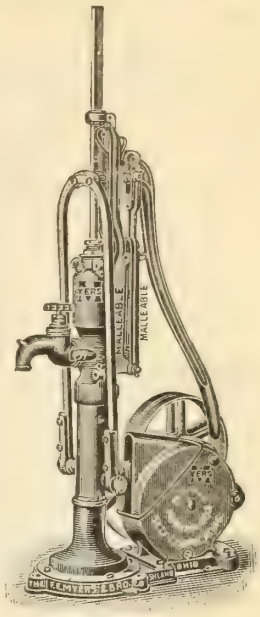
Top, No. 360 or No. 90	$1.25
Bottom, No. 361 or No. 99	1.75
3-Pt. Cutter, No. 276	.30
4-Pt. Cutter, No. P2311	.40
10-Pt. Comb, No. 277	.80
13-Pt. Comb, No. G287	.85

AUTOMOBILE OIL	per gallon, 60 cts.
GAS ENGINE OIL	per gallon, 60 cts.
DE LAVAL HAND SEPARATOR OIL—	½ gallon 70 cts.; per gallon, $1.10
DE LAVAL TURBINE OIL	per gallon, $1.35
DE LAVAL TURBINE OIL	5 gallons, $5.00
AXLE GREASE (Frazier's)	1 lb. 25 cts.; 3 lbs. 55 cts

Brooms

Bass, 16-in.—6 row	1.25
Handles	.25
No. 8 Janitor	.60
Mixed No. 9 XXXX 40-lb.	1.10
Corn and Rattan	.75
Special Success	.65

Myers' Cog Gear Pumps



The patented rolling motion cog gear head operates 33 1/3 per cent easier than the ordinary every-day pump now in use and 50 to 100 per cent easier than antiquated types. As soon as you take hold of the handle you discover that the "rolling motion" cog gear performs an important labor-saving service appreciated by every member of the family.

416. Long Stroke Pitcher Pump, $4.25. With foot valve, $5.35.

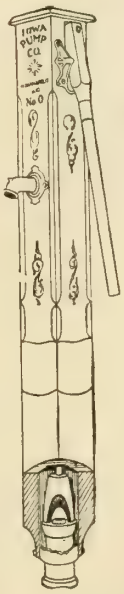
R251. Double Cylinder House Pump, $9.00. With foot valve, $10.10.

For price complete with pipe on above two pumps, add **20 cts.** per foot depth in well.

R94½. Defiance Pump Standard, $13.50. With cylinder and foot valve, $21.85.

R432. Self-Lubricating Pump Head, $34.00. With cylinder and foot valve, $42.35.

For price complete with pipe and sucker rod on above two pumps add **25 cts.** per foot depth of well.



R1052. Single Acting Lift Pump, $11.50. With foot valve, $12.60.

R1072. Single Acting Force Pump, $13.00. With foot valve, $14.10.

R5. Double Acting Force Pump, Windmill Top, $23.00. With foot valve, $24.10.

For price complete with pipe and sucker rod on above three pumps add **25 cts.** per foot depth of well less four feet.

952. Working head, self-oiling, with handle attachment, $54.00. With cylinder and foot valve, $61.35.

For price complete with pipe and sucker rod add **30 cts.** per foot depth of well.

Wood Pumps

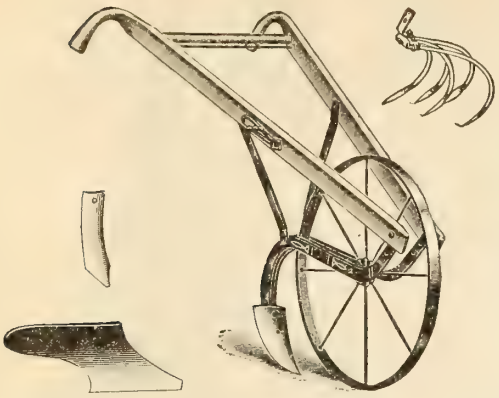
For a plentiful supply of pure sweet water, wood pumps have never been excelled. All our pumps are made of Washington white spruce which is entirely tasteless and the best lumber now available for this purpose. All cylinders are porcelain lined.

Depth	Size of Pump 6x6 in.	7x7 in.
12 feet	$14.00	$16.25
14 feet	15.40	17.85
15 feet	16.10	18.35
20 feet	19.60	21.85
25 feet		25.35
30 feet		28.85
35 feet		32.35

Well Buckets

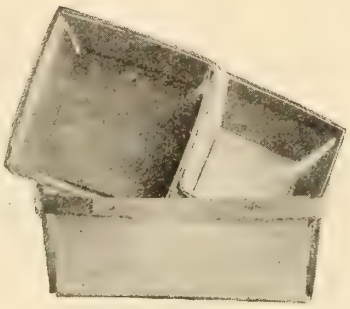
Victor Bucket	$1.00
Crown Bucket	.85
1410 Galv. Bucket	.65
Well Chains, per lb.	.12

Hand Garden Plows



There has always been a demand for a small garden plow that would come within the price, making it possible for the small gardener to purchase. These plows have all the tools or parts necessary to the perfect working of a garden — for instance, it has a plow for hilling and working the garden early in the spring; it has a cultivator and a hoe; also a pulverizing rake. It is complete in every detail. We have sold them by the hundred to pleased customers. Weight, about 20 lbs. Every garden should have one. **Price, $3.25.**

Berry Boxes



Prices subject to market in berry season.

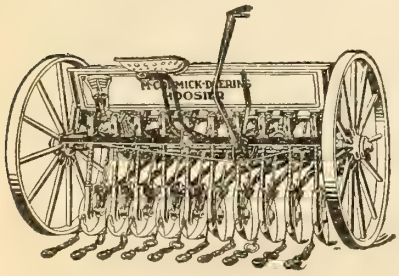
Write for special quantity prices.

	Doz.	100	1000
½ pint square	Write for Prices		
Pint square			
Pint long			

	Doz.	100	1000
Quart square	Write for Prices		
Quart long			
2-quart long			
4-quart long			

	Doz.	100
½-bu. Peach Baskets	Write for	Prices
½-bu. Round Baskets	$1.45	$11.00
½-bu. Round Basket Tops	.50	3.75
1-bu. Round Baskets	1.50	11.00
1-bu. Round Basket Tops	.50	3.75
1-bu. Corrugated Caps	.20	1.00
1-bu. Paper Liners	.30	1.85

McCormick-Deering Hoosier Drills



The fluted force is designed to sow surely and evenly whatever seed is being sown. The fertilizer mechanism will sow 30 to 1135 lbs. to the acre.

9-7 single disc...$142.00
11-7 single disc... 159.00

Prices on other models on application.

Noc-Out Distributor

For Fertilizer and Lawn Seed

Price, $1.50 each

Made from select imported leather processed to render it amazingly soft and pliable—as well as durable—Permit almost barehand freedom with maximum comfort, yet provides complete protection from dirt, bruises, scratches and stains.

Per Pair..... 75 cts.

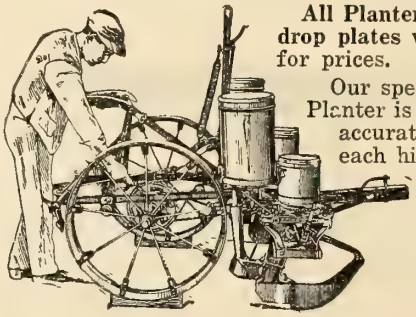
Cotton Gloves, Leather Palm, Heavy Cotton..... 25 cts.

Medium Weight Cotton..... 15 cts.

Apple Pickers

Handy, convenient, saves time and labor.....50 cts.

Double Row Corn Planter



All Planters fitted with adjustable drop plates when so ordered. Write for prices.

Our special new feature in this Planter is that we not only get an accurate number of kernels in each hill, but we get the number of kernels in each hill which the quality of the soil is able to bring to perfect maturity.

Price, $83.00

With Fertilizer Attachment, $108.00

The Original Improved Cyclone SEEDER

It differs materially and very advantageously from all other Sowers in having a slope feedboard with an oblong hopper which terminates in a metal edge, on which edge oscillates a feed plate which does not allow the seed to become clogged, but makes a positive force feed and insures a uniform flow and even distribution of seed. Anyone desiring a convenient, practical and an all-round first-class grain and grass seeder, a good, large sower that will meet the most exacting demands, we cannot recommend the CYCLONE too highly. **Price, $2.15.** Parcel Post weight, 6 lbs.

Horn Seeder

Makes even broadcasting a sure process in the hands of all users, **90 cts.**

Cahoon Seed Sower

For sowing Clover, Timothy, Millet, Oats, Wheat, Rye, Buckwheat, etc. Standard seeder of the world. A model for accuracy and durability. Malleable iron frame. Steel hopper and gate. Brass discharger. **Price, $4.75.**

Planet Jr. Farm and Garden Tools

Seeds, no matter how good, cannot grow without proper care. Plant them at the proper depth and properly spaced in narrow rows. Keep the ground loosened up around your growing plants, to retain the moisture and above all kill the weeds before they get a start. The best gardeners are only satisfied with the best equipment. PLANET JR. GARDEN TOOLS have been leaders in this field and favorites with fussy gardeners all over the world for more than sixty years.

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price, complete, $16.25
Weight, 50 lbs.
As a Seeder only (No. 4D), $13.00
Holds 2½ quarts of seed.

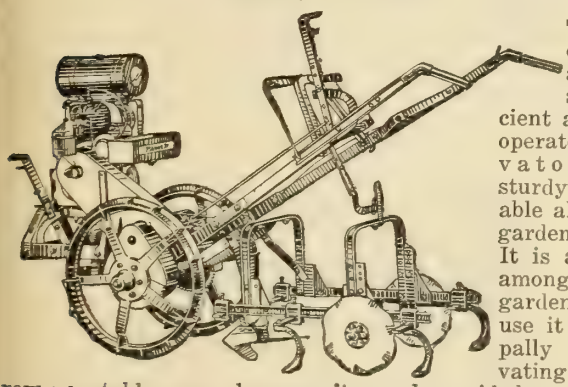
The No. 4 is a combination of the most useful tools for a home garden. Plants almost all vegetable seed in continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. A plow adjustable for depth opens a straight narrow furrow, the seeds are dropped in it, are covered and the soil firmed and the next row marked out all in the same operation. Converted into a Single Wheel Hoe by changing one bolt. Cultivating equipment includes the most useful attachments—hoes for weeding and shallow cultivation—cultivator teeth for deeper and general cultivation—and the plow for furrowing and ridging.

No. 17 Planet Jr. Single-Wheel Hoe

Steel Frame—16-inch Steel Wheel.
Price, 7.00

Very popular because equipment includes just the attachments needed in the average garden. A pair of 6-inch hoes for weeding and shallow cultivation, three cultivator teeth for deeper and general cultivation and a plow with landside for hilling, furrowing, ridging and plowing. Light and easy to handle. All steel—unbreakable.

Planet Jr. Tractor

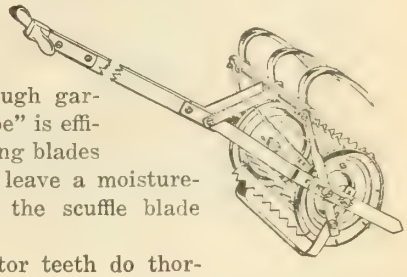


The Planet Jr. is an accurate, efficient and easily operated cultivator and a sturdy dependable all purpose garden tractor. It is a favorite among market gardeners who use it principally for cultivating narrow row vegetable crops because it can be guided so delicately that extremely close cultivation is possible even in very young plants. This saves hand work. And it handles so easily that an operator can use it all day long without getting tired and his speed is several times that of hand cultivators.

The Planet Jr. is heavy enough, however, to give sufficient traction for a real job of plowing, harrowing, etc. A wide variety of other attachments are available for use with the Planet Jr. These include a three-row seeder attachment, discs, Acme and spike tooth harrow, plank drag, spraying attachment, lawn mower, field mower, etc. **Type C-T, Heavy Duty, with tool gang, $289.00. Type B-T, $250.00, delivered, Washington, D. C.**

The New Planet Jr. Speedhoe

10-inch
$7.75



For quick, easy thorough gardening the new "Speedhoe" is efficiency itself. The rotating blades crumble the lumps and leave a moisture-retaining mulch, while the scuffle blade gets all the weeds.

Reversed, the cultivator teeth do thorough deeper cultivation. They are scientifically designed to penetrate the soil easily and are hardened and tempered for long wear.

The Speedhoe is made entirely of steel and is completely adjustable to suit the operator or varying growing conditions. The patented leaf lifters are adjustable for depth. The handles adjustable for height. The scuffle blade is adjustable for depth and pitch. The cultivator teeth are adjustable in or out, and other Planet Jr. hand tool attachments can be used. (Plows, rakes, hoe blades, narrow cultivator teeth, etc.)

No. 9 Planet Jr. Horse Hoe

Price, $12.25

No. 9D, Without Wheel

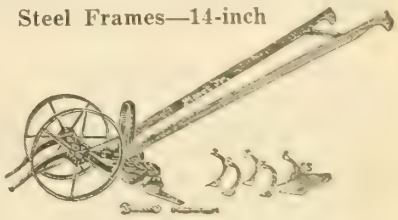
Price, $10.50

Completely equipped Horse Hoe, light weight, straight running, and easily handled. Cultivator teeth are of high carbon beveled steel, thereby making them self-sharpening, and the point retains its shape, greatly prolonging the life of the steel. Patent hillers are reversible for hoeing or hilling. Can be run close to the plants without endangering the roots.

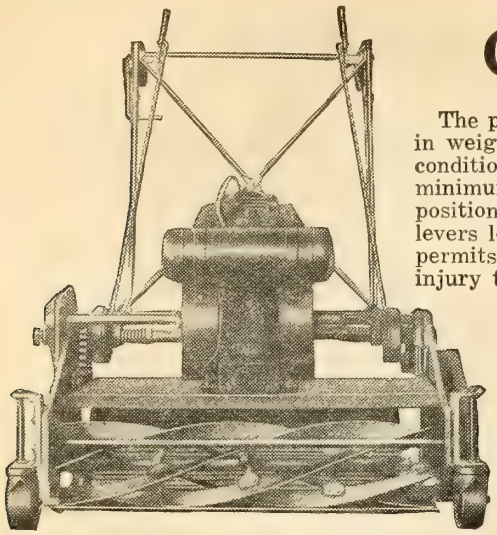
No. 12 Planet Jr. Double- and Single-Wheel Hoe

Steel Wheels.
Price, $9.75

Steel Frames—14-inch



Equipment includes attachments needed in the average garden. One pair 6-inch hoes for shallow cultivation and weeding, four cultivator teeth for deeper and general cultivation and a pair of plows for plowing, furrowing and ridging and a pair of leaf lifters which are useful in protecting the leaves and vines when crops are maturing. As a Double Wheel Hoe it will straddle crops 20 inches high, cultivating both sides at once. Easily changed to a single wheel hoe for working between rows. Made entirely of steel and practically indestructible.



COOPER POWER MOWER

The popularity of the Cooper Power Mower is largely due to the fact that it is light in weight, short coupled, perfectly balanced and extremely easy to operate under all conditions. The frame is constructed of steel which provides greatest strength with minimum weight and is far superior to heavy, cumbersome cast iron. From a normal position behind the mower the operator governs every operation by means of handy levers located at his finger tips. Differential action in the three-section traction roller permits the mower to be easily turned about within its own length without damage of injury to the lawn surface.

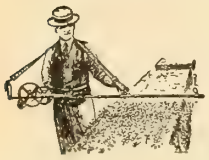
Cooper Power Mowers are made in two popular sizes, 20″ and 27″, to meet every lawn mowing requirement. Sulky and Grass Catcher are optional equipment quickly and easily attached. Either size, according to your requirements, will maintain a more vigorous and healthy growth of grass; will keep it evenly trimmed and rolled at less cost than any other power mower, and is worthy of your consideration as a paying investment.

It is not necessary to follow up with a hand machine for close trimming, as either the 20-inch, or the 27-inch machine will cut closer to walks, trees, shrubs, flower beds, curbs, fences, etc., than the ordinary hand mower.

Equipped throughout with ball and roller bearings, packed greasing system, "auto-differential" drive roller, independent clutches for reel drive and traction roller, and two-speed five-blade drop-out reel which is self-sharpening in reverse.

	20-inch Cut	27-inch Cut
Engine	2 H. P.—4-cycle	2 H. P.—4-cycle
Clutch	Cone type	Cone type
Capacity	3 to 3½ acres per day	6 to 8 acres per day (with sulky)
Cutting Speed	½ to 3 miles per hour	½ to 6 miles per hour
Weight	206 lbs.	247 lbs.
Price	**$195.00 Delivered**	**Price, $290.00 Delivered**

"Little Wonder" Hedge Trimmer



One man can do as much work with one of these Trimmers in one day as can be done by five men working with the ordinary hedge trimmer. This being the case, during the course of one season the machine will more than pay for itself, and will do the work better and more accurately than can possibly be done by hand. It is easy to operate and easy to keep in order, and satisfaction guaranteed.

30-inch—One Man.....$25.00 40-inch—Two-Man.....$27.50

Side Cutting Carriage.....$4.00

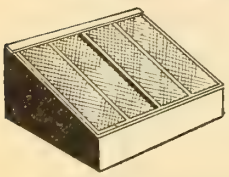
27-inch Electric with 15 ft. Cable.....$55.00

100 ft. Rubber Cable with Reel.....$4.50

REG U.S. PAT OFF

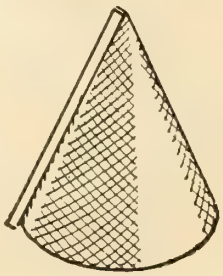
CEL-O-GLASS

U.S. PATENT 1,580,287

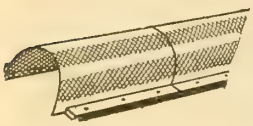


A Transparent Flexible Glass Substitute—Will Not Break or Rot

CEL-O-GLASS sashes for cold frames and hot beds. Get earlier vegetables and flowers.



CEL-O-GLASS cones. For use over smaller individual plants such as larkspur, poppies, sweet potatoes, lettuce. Faster growth. Protection from the elements and bugs.



CEL-O-GLASS plant forcers. For use over row plants and newly planted seeds. Stimulates growth and gives full protection from the elements. For such plants and seeds as gladiolus, asters; peas, carrots.

Per square foot, 15c; full rolls of 25, 50 or 100 feet, 13½c per square foot.

Buckets

10-quart galv.	$0.25
12-quart galv.	.30
16-quart galv.	.35
No. 4140—10-qt. Rochester heavy galv.	.60
No. 4142—12-qt. Rochester heavy galv.	.65

Watering Cans

4-quart	$ .65
8-quart	.80
12-quart	1.00
16-quart	1.15

Wotherspoon Watering Pots

Heavy galvanized iron reinforced; well made and substantial. Will outlast two or three ordinary pots. Long spout greenhouse model; two copper-faced roses, one fine, one coarse, with each pot.

8-quart.....$5.25 12-quart.....$6.00

"OUR BUSINESS IS GOING TO THE DOGS"

CHAMPION DOG BISCUIT

CHAMPION DOG BISCUIT (Large Whole Biscuit)

2-lb. package, 40c each; 4-lb. package, 65c each; 25-lb. bags or containers, 12c lb.; 50-lb. bags or containers, 10c lb.

CHAMPION KIBBLED DOG BISCUIT

8 ozs. 15c; 5-lb. package, 75c each; 25-lb. bags or containers, 12c lb.; 50-lb. bags or containers, 11c lb.

CHAMPION MIDGET BISCUIT (Small Whole Biscuit)

1½-lb. package, 30c each; 25-lb. bags or containers, 12c lb.; 50-lb. bags or containers, 11c lb.

CHAMPION PUPPY MEAL (Ground for the Pup)

1½-lb. package, 30c each; 25-lb. bags or containers, 12c lb.

LAWN MOWERS

16-inch—$18.50

18-inch—$22.00

Ohio Reversible Lawn Mower

PATENTED

The only mower designed especially for cutting by pulling down terraces or out of shrubbery, and at the same time give the finest results in level lawn cutting. Instantly adjustable for tall or short grass. High wheel, easy running on roller and ball bearings.

Coldwell's Imperial

ROLLER BEARINGS MAKE RUNNING EASY

THE IMPERIAL is one of our best Mowers, the principal feature being that the knife is securely bolted to the sides, thus insuring a perfectly rigid frame. The knives are adjusted by means of our patent hanger, and a locking screw holds them securely in place. This hanger is so constructed that all wear can be taken up in the bearings. The triple pawl ratchet is the simplest and most durable on the market.

Prices—High Wheel, 5-Blade

16-inch..... $16.50 18-inch..... $18.00
20-inch..... $19.00

Hollywood Lawn Mower

BALL BEARING

This lawn mower is made to meet the demand for a first-class ball-bearing machine which can be purchased at a price within the reach of all. It is made throughout of best grade material, and the workmanship is unsurpassed. The driving wheels are 8 inches in diameter and the revolving cutter has four blades, which insures fineness and evenness of cut.

12-inch..... $5.75 14-inch..... $6.00 16-inch..... $6.25

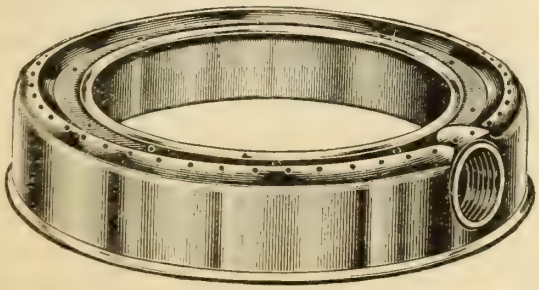
No. 2 Grass Edger

Neat, good looking lawns require that the edges be kept well trimmed. The No. 2 Edger does this work quickly, is easily handled, and should be a companion to every lawn mower. Can be used where lawns are bordered by cement, stone, or brick walks. **Price, $1.50.**

CRONK LONG HANDLE EDGER. Price 90 cts.

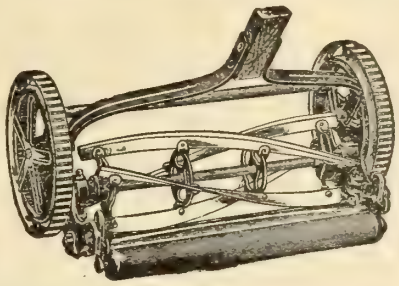
IMPROVED RING SPRINKLER

The Heaviest All Brass Ring Sprinkler on the Market



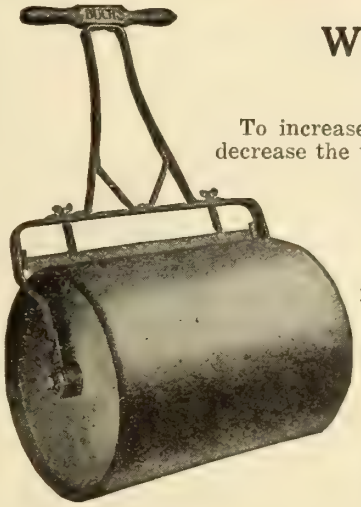
It is so strongly crimped together that it cannot be forced apart even under the heaviest pressure. The Allen Ring throws a finely divided, well distributed, coarse spray, covers a large circle and can be conveniently moved without shutting off the water. **Price 75c each.**

Metropolitan Ball Bearing Mowers



Meets the demand for a high wheel mower of highest quality at moderate price. Tool steel cutter bar of highest quality, well braced. Bed knife and bearings easily adjustable.

14-inch $6.75
16-inch 7.00
18-inch 7.35



Water Ballast Roller

To increase the weight, add water. To decrease the weight, draw out water.

Size	Weight filled	Price
14 x 24	175 lbs.	$13.00
18 x 24	265 lbs.	15.50
24 x 24	420 lbs.	17.75
24 x 36	566 lbs.	20.00

THE HEAVY DUTY DOUBLE ROTARY SPRINKLER

Many of the country's finest golf clubs, park commissioners, nurserymen, and cemetery associations now use and endorse this heavy duty model. It quickly puts large grass sodded areas in first class condition—keeps them that way all season long. **Price $12.50.**

CHICAGO PORTABLE SPRAY HEAD

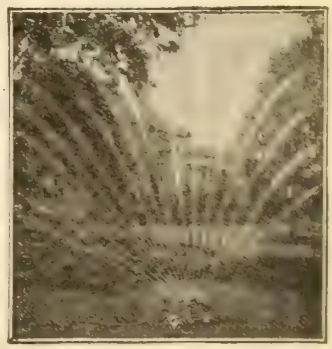
This sprinkler can be connected between short lengths of hose so as to cover a considerable distance. Each is furnished with a hose cap and in this way can be used on the end of a hose. Each sprinkler is furnished with an adjustment to make possible uniform sprays. The Chicago is made in white metal with brass cap and brass swivel, 5 inches long, 1⅝ inches wide. Packed 3 in a box. **Set of 3, $1.75; each, 60 cts.**

SHERMAN PORTABLE SPRAY HEAD

This is similar to the Chicago only does not afford adjustment. **Set of 4, $1.75; each 50c.**

Hose Nozzles, All Brass, 50c Each

RAIN WAVE SPRINKLERS



Just imagine an immense fan of spray waving slowly back and forth over your lawn or garden. The slender streams shoot high in the air, breaking into countless tiny drops and falling to the earth just like a gentle shower. Covers a space 50 to 60 feet square. Adjustable to cover ½ or ¼ space.

Gentle as is this mist-like spray, still in six hours it delivers an inch of rainfall, which is as much as a garden needs in from one to two weeks of extremely dry hot weather. Weight 17 lbs. **Price $35.00.**

Garden Hose. (See Inside Front Cover.)

Flower Pots

	Ea.	Doz.	100
2-inch	.03	.20	$1.15
3-inch	.04	.35	1.95
4-inch	.05	.45	3.00
5-inch	.08	.75	5.40
6-inch	.12	1.15	8.10
7-inch	.20	1.85	13.50
8-inch	.25	2.75	19.50
9-inch	.35	4.00	30.00
10-inch	.50	5.50	41.50
12-inch	.95	10.00	82.50

Saucers

	Ea.	Doz.	100		Ea.	Doz.	100
4-inch	.03	.30	$2.25	8-inch	.10	$1.10	8.25
5-inch	.04	.40	3.00	9-inch	.13	1.50	11.25
6-inch	.06	.65	4.50	10-inch	.16	1.75	13.25
7-inch	.08	.80	6.00	12-inch	.25	2.75	20.25

Inside measurement. No charge for packing. 6 at doz. rate; 50 at 100 rate. Cannot mail. Freight or express extra.

Thermoid Rubber Saucers

Won't Leak — Won't Break

Made of a durable and sturdy rubber compound with cleated bottom to allow water to drain through the flower pot. Furnished in either red or green.

Size	Price, Red or Green Your Selection
4½-inch	$0.17
6-inch	.24
6½-inch	.27
7½-inch	.40
9-inch	.49
10-inch	.78
12-inch	1.07

Waterproof Paper Pots

	10	100	1000
2½-inch	.10	.60	$4.35
3-inch	.15	.70	5.65
4-inch	.20	$1.15	8.85

Dirt Bands

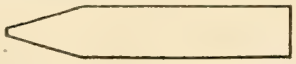
They form square bottomless pots that can be transplanted without removing plant from pot or disturbing roots. Size, 3 x 3 inches. **$4.15 per 1,000; $2.15 per 500; 75 cts. per 100; 15 cts. per doz.**

Cedar Plant Tubs

Virginia White Cedar painted deep green and bound with three bands heavy black wire. Two larger sizes bound with broad iron bands. Handles and feet are black iron.

	Each
12-inch, without handles	$1.00
14-inch, without handles	1.45
16-inch, without handles	1.75
14½-inch, with handles and metal feet	3.80
19 7/16-inch with handles and metal feet	5.40

Plant Labels



	Doz.	100	1000
Painted Copper Wired, 3½-in.	.10	.40	$2.95
4-in. Pot, Painted	.10	.35	2.15
8-in. Pot, Plain	.15	.75	6.00
Copper Lables, Copper Wired, ¾ x 3¾	.25	1.60	

Stylus for above, **10 cts. each.**

Perfecto Window Boxes

Made of copper bearing steel, heavily **Lead Coated.** Guaranteed 5 years. Far superior to galvanized boxes. They are scientifically ventilated so that the roots of the flowers will not rot. Made in four sizes.

20 inches long	$1.00	32 inches long	$1.50
26 inches long	1.25	38 inches long	2.00

Germaco

Hotkaps

New Method of Plant Protection

A money-maker—matures crops earlier; shields plants from frost, wind and rain; protects them from insects; minature "hot-houses." An amazing invention—crop INSURANCE. A revolutionary device that saves farmers much in time, labor and money. One roll of a thousand, **$10.00. Steel Setter, $2.25; 250 Hotkaps with Papier Mache Setter and Steel Tamper, $3.65; 100 Hotkaps with Papier Mache Setter and Steel Tamper, $2.40. Postage or express extra.** Write for quantity prices and pamphlet.

Hot Bed Sash

Made of the best white pine. Unglazed and not painted. Size 3 feet 2 inches by 6 feet. Four rows 8-inch glass. Write for prices.

MATS—76 x 40, $1.60; 76 x 76, $2.50.

Glazing Putty

Duroplastic Black—Gal. $1.75; 5 gals. $8.50.
White or Gray—Gal. $3.00; 5 gals. $13.25.
Putty Gun, $5.25.

Gator-Hide Mulch Paper

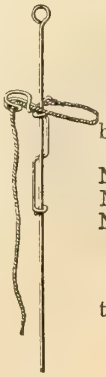
The newest method used in mulching plants. It eliminates weeds without the expense of cultivation, and at the same time conserves moisture, speeds up growth and makes more sturdy plants. It is made of strong, tough paper thoroughly treated with asphalt.

	18-ins. wide	36-ins. wide
Type A, 300 yards	$3.00	$6.00
Type B, 150 yards	3.00	6.00
Weight	30 lbs.	60 lbs.

Garden Package—Type B, 15 yards, **65 cts.** 3 lbs.

Plant Stakes

	Ea.	Doz.	100
3-ft. Wood	.07	$ .60	$4.50
4-ft. Wood	.10	1.00	7.50
6-ft. Wood	.15	1.65	12.50
2-ft. Bamboo, light	.01½	.10	.50
3-ft. Bamboo, light	.02	.15	.65
4-ft. Bamboo, heavy	.05	.45	2.75
6-ft. Bamboo, heavy	.06	.55	3.65
8-ft. Bamboo, heavy	.08	.75	4.50



Time-Saver Adjustable Plant Supports

Made of heavy wire and cord. Adjustable for both height and diameter.

	Ea.	Doz.
No. 2—3 ft. high	.10	$1.15
No. 3A—4 ft. high	.20	2.20
No. 4—5 ft. high	.25	2.75

Raffia

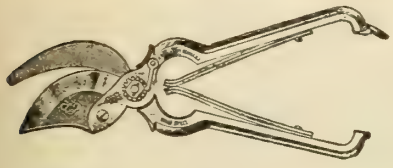
For tying asparagus, also used extensively for tying plants to stakes.

Natural, **1 lb., 35 cts.; 5 lbs., $1.50**
Green Dyed, **1 lb., $1.00**

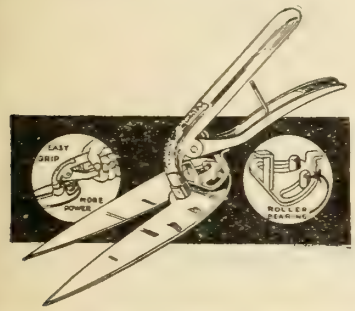
HEDGE SHEARS

6½-in. Wiss Steel Handled	$2.00
9-in. Wiss Steel Handled	3.00

PRUNING SHEARS



No. 109B Wiss	$2.50
No. 609 Wiss	1.50
Capitol Hand Shears, 9-in.	.50
Fresno Pruners, 30-in.	2.40
Buckeye Pruners, 26-in.	1.45
8-ft. Rous Tree Pruners	1.85
10-ft. Rous Tree Pruners	2.00
12 ft. Rous Tree Pruners	2.25
Curved Pruning Saws	1.25
Flowers Shears	.60



Easy Grip Grass Shears	$1.25
Long Handle Doo-Klip	2.50
No. 600 Wiss Grass Shears	1.25
Capitol Grass Shears	.50
Long Handle Border Shears	2.50

SICKLES

Nowatco	$.55

STEEL HOES

Sizes 6 and 8

Solid Socket	$1.05
Planters' Hoe, heavy handle, suitable for stiff ground	1.05

SCYTHES

Diamond Grass	$1.25
Diamond Bush, Assorted	1.85
Waldron, 36 in.	2.60

SNATHS

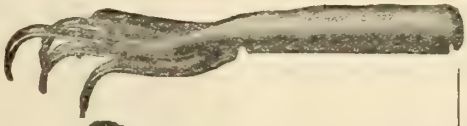
Patent $1.75 Rings $1.95

SCYTHE STONES

Darby Creek	$.20

TRANSPLANTING TROWELS

Planet Jr. Bulb Trowel	$.50
Planet Jr. Wide Trowel	.50
All Steel	.10
All Steel Narrow	.10
Heavy Forged	.75
Hoe Trowel	.50



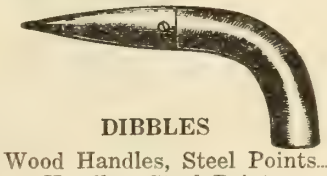
Germaco

All Steel Weeder	$.10
Plant Jr. Cultivator	.50
Germaco Lawn Weeders	.60
Out-U-Kum Lawn Weeders	.60
Cronk Lawn Weeders	.45

Norcross Weeder

An excellent weeder for all purposes.

3 tine	$ .75
5 tine	1.00
Midget, 3 tine	.45

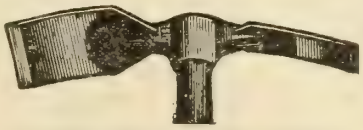


DIBBLES

Bent Wood Handles, Steel Points	$.65
All Iron Handles, Steel Points	.60

IRON AND STEEL GARDEN RAKES

12-tooth Steel Rake	$ .80
14-tooth Steel Rake	.85
14-tooth Steel Bow	1.15
16-tooth Steel Bow	1.25
Bamboo Rake	.65
Broom Rake	1.00
Wire Rake	.80



MATTOCKS, HEAVY STEEL

Steel 6-inch Long Cutter	$1.05
Picks	.90
Handles, extra	.45
Potato Drags, light	.95
Potato Drags, heavy	1.10

ASPARAGUS BUNCHER

Price, $4.00

SHOVELS, LONG HANDLES

Special, Round Point	$1.70
Ames, Round Point	2.10
Ames, Square Point	2.10

SPADES

Special, "D" Handle	$1.70
Ames, "D" Handle	2.10
Boys' or Transplanting Spade	1.30
Nursery Spade	4.00

SPADES, LONG HANDLE

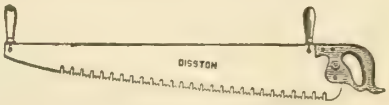
Ames	$2.10

SPADING FORKS

"D" Handle, light	$1.10
"D" Handle, heavy	1.30

PITCH FORKS

Acme, 4 tine	$1.65
Regular, 4 tine	1.30
Long Handle, 3 tine	1.55



CROSS-CUT SAWS

3½ ft. 1-Man X-Cut Saw	$3.90
4 ft. 1-Man X-Cut Saw	4.35
5 ft. 2-Man X-Cut Saw	3.40
5½ ft. 2-Man X-Cut Saw	3.65
6 ft. 2-Man X-Cut Saw	4.00

BRUSH AXES

Beatty	$1.85
Hand Axe	.25

AXES

3½ to 5-lb., without handles	$1.75
3½ to 5-lb., with handles	2.25

HANDLES

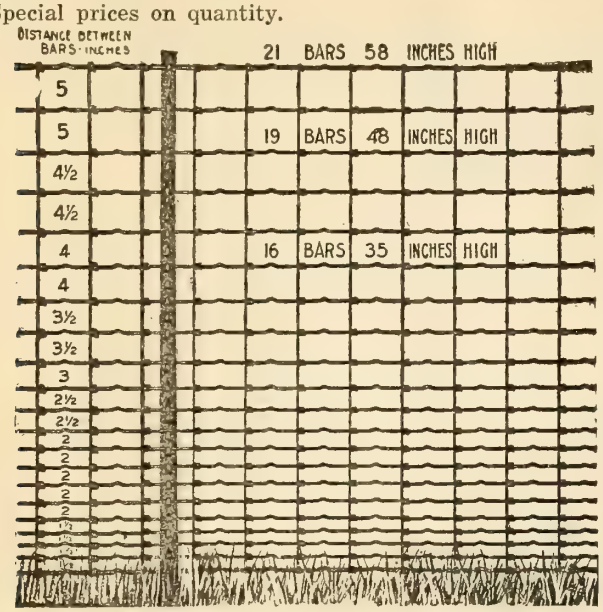
Axe Handles	$.50
Pick Handles	.45
Rake Handles	.30
Garden Hoe Handles	.25
4½-ft. Fork Handles, Strapped	.50
6-ft. Fork Handles, Strapped	.80
4½-ft. Shovel Handles, Strapped	.50
D. Spade Handles	.60
D. Spading Fork Handles	.70
D. Manure Fork Handles	.70
D. Shovel Handles	.75

Hog and Cattle Steel Wire Fencing

726—26-in. High Hog Fence, 7 bars	$8.60	20-rod roll
832—32-in. High Hog Fence, 8 bars	9.80	20-rod roll
845—45-in. High Cattle Fence, 8 bars	8.10	20-rod roll
1047—47-in. High Cattle Fence, 10 bars	9.30	20-rod roll

10-rod rolls can be furnished at ½ 20-rod roll price, plus 25c.

Special prices on quantity.



American Steel Poultry Fence

2048—48 inches high	$5.60	10-rod roll
2360—60 inches high	6.45	10-rod roll
2672—72 inches high	7.50	10-rod roll

American Tubular Galvanized Steel Posts

The strongest and most sturdy line post made.

5 ft.	46 cts.	7 ft.	63 cts.
6 ft.	55 cts.	7½ ft.	68 cts.
6½ ft.	57 cts.	8 ft.	72 cts.
Drive Caps			50 cts.
Ball Tops			20 cts.

CORNER POSTS, DOUBLE BRACED

Heavy 6 ft.	$3.35	7 ft.	$3.95
Light 6 ft.	1.90	7 ft.	2.25

END POSTS, SINGLE BRACED

Heavy 6 ft.	$2.45	7 ft.	$2.85
Light 6 ft.	1.30	7 ft.	1.50

Diamond Mesh Poultry Fence

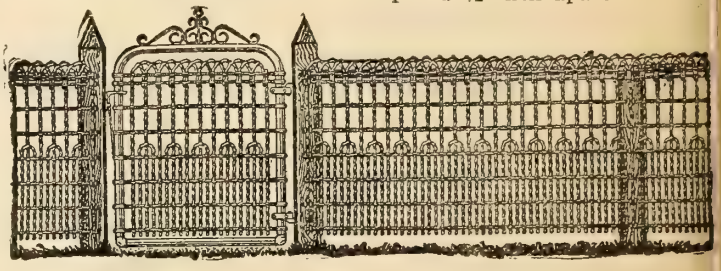
	Per foot	Per roll
12 in. high, 2 in. mesh	2c	$1.15
18 in. high, 2 in. mesh	2½c	1.65
24 in. high, 2 in. mesh	3c	2.15
30 in. high, 2 in. mesh	3½c	2.50
36 in. high, 2 in. mesh	4½c	2.90
48 in. high, 2 in. mesh	5c	3.90
60 in. high, 2 in. mesh	5½c	4.85
72 in. high, 2 in. mesh	6c	5.75

	Per foot	Per roll
12 in. high, 1 in. mesh	3c	2.70
18 in. high, 1 in. mesh	4c	3.90
24 in. high, 1 in. mesh	5c	4.90
30 in. high, 1 in. mesh	6c	5.75
36 in. high, 1 in. mesh	7c	6.75
48 in. high, 1 in. mesh	8c	8.75
60 in. high, 1 in. mesh	10c	10.90
72 in. high, 1 in. mesh	12c	13.00

Fancy Lawn Fence

The fabric illustrated herewith is superior to any Lawn Fence on the market. The upright wires are corrugated their entire length instead of at intervals. Close enough at bottom to turn the smallest chicks.

The uprights are of No. 9 heavy galvanized wire, spaced 2⅞ inches apart, with an extra upright of No. 9 interwoven at the bottom, giving a spacing of 1⅜ inches. The cables are of heavily galvanized wire spaced 6 inches apart, except the two top cables, which are spaced ½ inch apart.



	Style L	Style F
16 inches high	7 cts. per ft.	—
22 inches high	8 cts. per ft.	—
36 inches high	10 cts. per ft.	13 cts. per ft.
42 inches high	11 cts. per ft.	14 cts. per ft.
48 inches high	12 cts. per ft.	16 cts. per ft.
18 inch Trellis	7 cts. per ft.	—

LAWN GATES

	Galvanized Plain	Galvanized Fancy
3 feet by 36 inches	$3.00	$3.40
3 feet by 42 inches	3.15	3.50
3 feet by 48 inches	3.30	3.65
4 feet by 58 inches	4.00	.....
10 feet by 42 inches drive gate	.....	9.85
12 feet by 50 inches drive gate	8.85	.....
12 feet by 58 inches drive gate	9.25	.....
10 feet by 42 inches double drive gate	.....	9.85

Makes a strong non-climbable, attractive fence.

CHAIN LINK FABRIC

2-INCH MESH, NO. 11 GAUGE

42-in. Galvanized before weaving	18c per ft.
48-in. Galvanized before weaving	21c per ft.

Barb and Strand Wire

Cattle Barb Wire—6 in. between barbs.	80 rods	$3.90
Hog Barb Wire—4 in. between barbs.	80 rods	4.10
2-Strand Twist Wire—	80 rods	3.35

Wickets. ¼ in., 22 inches high, 12 inches wide, painted green, 10 cts. each; 3 for 25 cts.; 15 for 95 cts.; postage extra. Shipping weight, 9 lbs. per doz.

Hardware Cloth. Standard galvanized cloth 3x3 mesh.

	Per foot	Per roll
12 inches wide	.07	$5.00
24 inches wide	.11	10.00
36 inches wide	.17	15.00
48 inches wide	.22	20.00

Staples. ¾ or ⅞ inch for Poultry wire, 8 cts. per lb.; $6.65 per keg; 1¼ in. for Stock Fence, 7 cts. per lb.; $4.95 per keg.

Nails. 3 to 60 penny Nails at market price; write for quotations.

Post Hole Diggers $2.00

Spray Pumps

BRASS BUCKET PUMP ATTACHMENT, ETC., with 3 feet of ⅜-inch Discharge Hose and Seneca Spray Nozzle. **Price, $3.75.**

COG GEAR LEVER BUCKET SPRAYER. Price, $6.00.

Knapsack Sprayers

MYERS COMPRESSED AIR SPRAYER. The tank is made of heavy galvanized iron or brass. The side walls are double seamed, riveted and soldered. The top and bottom are extra heavy material with flanged edge over which the side walls are turned and thoroughly soldered. Four-gallon capacity. **Price,** Galvanized Iron Reservoir, with Auto Pop, **$5.50;** Solid Brass Reservoir, with Auto Pop, **$9.50.** Extension Rods, 2-foot length, **50 cts. Myers 2½-Gallon Galvanized Tank $4.75**

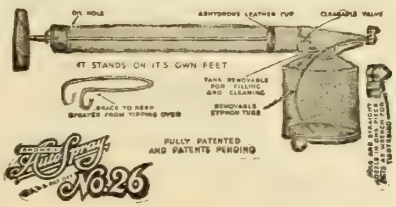
Hand Sprayers

Every one who raises chickens know how important it is to keep out vermin. Use a spray and the work is done. The illustration is of a spray that will do the work well and cheap.

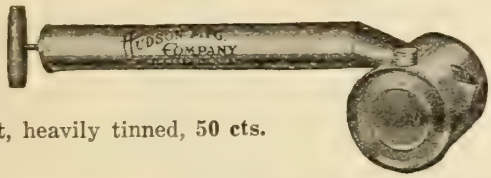
CONTINOUS SPRAYERS

1 qt., all tin 75c
1 qt., glass $1.10
1 qt., brass 1.29

It Sprays Continuously



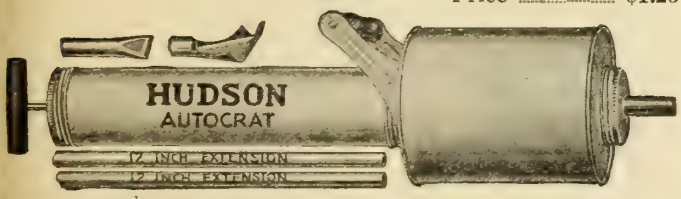
Syphon Sprayer



One-quart, heavily tinned, **50 cts.**

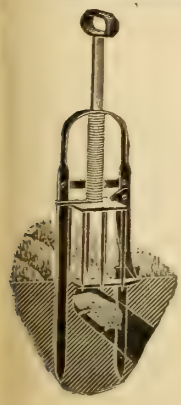
MAJOR DUSTER

Far superior to the bellows in that it makes a much finer dust and spreads the same more evenly.
Price $1.25



AUTOCRAT DUSTER

Heavy Duty 6¾x5½ Powder Reservoir.
Price $2.50



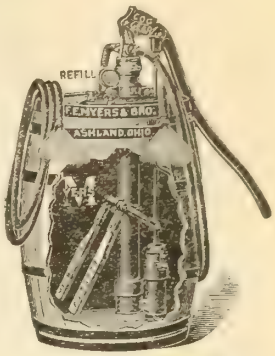
Mole Traps

The Mole causes great loss and annoyance to the growers and market gardeners. One Mole can cause the loss of an entire seed bed in a few hours. One Mole Trap will catch and destroy them. We guarantee them to work satisfactorily.

Price ..... 80 cts. each

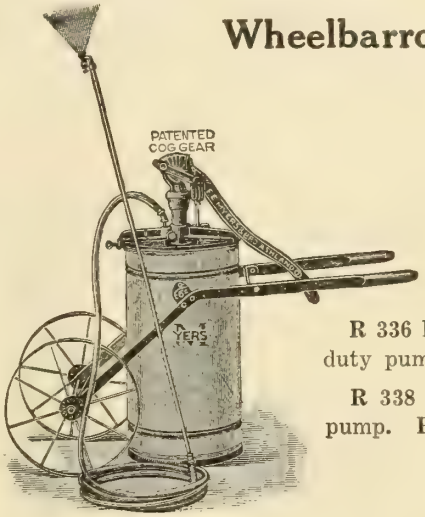
Barrel Sprayers

These Sprayers have Easy Operating Cog Gear Head, Mechanical Agitator, Solid Brass Ram Plunger, Ground Bevel Brass Valve and Seat, Large Air Chamber, and are equipped as indicated in list below. This construction enables the operator to carry up to 200 lbs. pressure with ordinary exertion which is sufficient to supply two leads of hose satisfactorily. Adjustable Malleable Iron Base permits pump to be used in different size barrels.



R 308. Heavy Duty $30.00
R 318. Standard 21.00
If wanted without barrel, take from above prices 5.00

Wheelbarrow Sprayers



A most popular outfit, being strongly mounted on a steel truck; can be wheeled anywhere with ease. Capacity, 12 gallons.

R 336 B, equipped with heavy duty pump. **Price, $25.00.**

R 338 B, equipped with light pump. **Price, $15.00.**

Vermorel Duster

The easiest action knapsack duster. Is especially adapted for hill or row dusting.

$13.25

Tree Tanglefoot

For protecting trees against climbing insect pests in a simple economical and effective way. Tree tangle foot, sticky substance applied directly to the bark of the tree. One application remains sticky on the trees for 3 months fully exposed to the weather. It is easily applied with a small wooden paddle. One pound will spread 8 feet long by 5 inches wide, 1/16 inch thick. **Prices: 6 oz. 25 cts.; 1 lb. can 60 cts.; 5 lb. can $2.75; 10 lb. can $5.25; 25 lbs. $11.00.**

Insect Destroyers and Insecticides

Poison Cannot Be Sent By Mail

ANTROL. A recently discovered method that is most effective for the control of all honey-dew loving ants. Set consisting of 4 small glass jars and supply of Antrol syrup, 75 cts. Additional syrup, 4 ozs. 35 cts.; pint (16 ozs.) 85 cts. (Not mailable.) Circular upon request. Ready filled bottles, 10 cts. Antrol Ant and Roach Powder, 2½-oz. sifter can, 25 cts.

ARSENATE OF LEAD (Dry Powdered). Is produced under a new process. Contains at least 33 per cent arsenic. Superior to paste arsenate, stands suspension longer, and has more covering capacity. Lb. 30 cts.; 4 lbs. 80 cts.; 48 lbs. $6.50.

ATLACIDE NON POISONOUS WEED KILLER DUSTER exterminates all undesirable vegetation including Poison Ivy, Canada Thistle, Johnson Grass, etc., without danger of poisoning humans or animals. Simply shake powder from can on the weeds and grasses to be killed. Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters.

1-lb. DUSTER ..... 50c each
(kills 100 sq. feet of weeds)

3½-lb. DUSTER ..... $1.50 each
(kills 350 sq. feet of weeds). Mailable.

"Black Leaf 40"

Nicotine Sulphate—40 per cent Nicotine

It destroys Aphis (plant lice), Thrips, Leafhoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs, also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage. **Prices, 1 oz. 35 cts., 5 gals. spray; 5 oz. $1.00, 40 to 120 gals.; 2 lbs. $3.10, 160 to 500 gals.; 5 lbs. $5.85; 10 lbs. $9.85, 800 to 1,250 gals.**

BORDEAUX MIXTURE (Dry Powdered). Twenty-two per cent copper. The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. **Lb. 30 cts.; 4 lbs. 80 cts.; 48 lbs. $6.85.**

BORDEAUX ARSENATE OF LEAD MIXTURE (Dry Powdered). A combined Fungicide and Insecticide. For Apple and Pear Trees, Potatoes, Melons and Cucumbers; also splendid for roses, keeping them free of mildew, black spot and insects of all sorts. **Lb. 40 cts.; 4 lbs. $1.20; 48 lbs. $9.50.**

Brown Patch Fungicides

Nu-Green	25 lbs. $30.00;	100 lbs. $115.00
Turf Calomel	25 lbs. $33.50;	50 lbs. $65.00
Calo-Chlor	25 lbs. $38.75;	50 lbs. $75.00
Calogreen	25 lbs. $36.25;	50 lbs. $71.00

Semesan—See page 79.

CALCIUM ARSENATE. Especially effective against Bean Beetle when dusted with lime using a 1 to 7 formula. **1 lb. 20 cts.; 4 lbs. 50 cts.; 48 lbs. $5.75.**

COPPER SULPHATE. Blue Stone. **1 lb. 15 cts.; 5 lbs. 50 cts.; 25 lbs. $2.00.**

COPPERCARB. A dry dust treatment for seed wheat to kill smut spores, **5 lbs. 85 cts.**

Cyanogas

CYANOGAS. A modern fumigant for greenhouse or orchard use and for extermination of rodents, vermin, etc.

Cyanogas G for greenhouse, mushroom and soil fumigation.

Cyanogas A to kill ants, rats, moles, woodchucks, fleas, moths, bats, etc.

100-lb. drums, $30.00; 25-lb. tins, $10.00; 5-lb. tins, $3.00; 1-lb. tin, 75 cts.

Special Duster Can, 30 cts.

Famous "Ogen" Sprays

Fungtrogen is an effective preventive and remedy for mildew, black spot and other fungus diseases of roses and other plants, invisible on the foliage or blooms. It is the noted Rosenbluth formula combined with the plant stimulant—HORTOGEN—that results in plant vigor, superb foliage and amazing blooms. **½ pt. 75 cts.; pt. $1.25; qt. $2.00; ½ gal. $3.50; gal. $6.00.**

Insectrogen A highly effective insecticide for leaf-eating insects, including caterpillars, slug worms, etc., and has definite fungicidal value for black spot on roses. Quickly destroys leaf tier on Chrysanthemums, etc., grown under glass. **4 ozs. 60 cts.; ½ pt. $1.00; pt. $1.75.**

Aphistrogen A scientific aphicide, perfected by rose specialists, that quickly rids your plants of aphis, commonly called plant lice, found on the tender branches and foliage. **2 ozs. 50 cts.**

TRI-OGEN (Triple Spray Treatment). Complete protection against plant diseases and insects. Stimulates plant growth. In highly concentrated form. **Small medicine kit, $4.00; large, $6.00.**

DRITOMIC SULPHUR. Recommended for the control of scab on peaches, brown rot on peaches, plums and cherries and cedar rust on apples. Directions: 5 to 7 lbs. to 50 gallons of water. **4-lb. pkg. 70 cts.; 48 lbs. $6.65.**

NEW EVER GREEN SPRAY A non-poisonous contact insecticide. Kills Rose Chafers, Bean Beetles, Cutworms, Aphis, Slugs and other pests. **1 oz. 35 cts.; 6 ozs. $1.00; 16 ozs. $2.00; gal. $12.00.**

FISH OIL SOAP. Dissolved in water makes an excellent spray for scale on palms, etc. **1-lb. pkg. 30 cts.**

FLUOSILICATE DUST MIXTURE. Acts as both a contact poison and a stomach poison. Is especially adapted for the control of Mexican Bean Beetles. **20 cts. lb.; 5 lbs. 75 cts.**

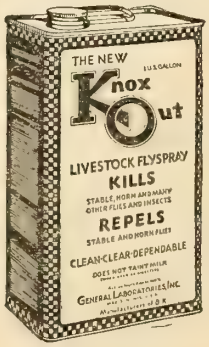
KAYSO enables you to get your trees completely covered by a protective film of poison, with no unprotected spaces. Keeps the spray from washing off. **2-lb. pkg. 40 cts.**

K-R-O KILLS RATS AND MICE ONLY. Will rid your premises without endangering your Pets, Live Stock, Poultry, etc. Perfectly harmless to even baby chicks. This wonderful new exterminator is the only one of its kind on the market that is harmless to animals other than rats and mice. It fulfills a long-felt want among users of rat exterminators. **2-oz. box, 75 cts.; 4-oz. box, $1.25, ready mixed, 24 oz. $1.00.**

LIME SULPHUR (DRY POWDER). This preparation is scientifically prepared and is widely recommended, and known as the best preparation for San Jose Scale, Oyster Shell Scale, etc. **1 lb. 30 cts.; 5 lbs. $1.25; 10 lbs. $2.00; 12½ lbs. $1.75; 100 lbs. $13.50** Get price on larger quantities.

LIME SULPHUR SOLUTION. **1 gal. 90 cts.; 5 gallons, $3.00; 30-gallon drums, $7.00; 50-gallon drums, $11.00.**

MAGNESIUM ARSENATE.—Recommended for spraying Bean Beetles. **12-oz. can, 35 cts.; 2 lbs., 60 cts.; 100 lbs., $24.**



K-O KNOX-OUT fly spray is both an efficient killer and a repellant fly spray. It builds up a protective film on the hair which so distresses flies lighting on the cows in the pasture that they will not remain to bite and bother them. **1 qt. 60 cts.; 1 gal. $1.50; 5 gals. $6.75.**

PARIS GREEN. **¼ lb. 15 cts.; lb. 40 cts. 5 lbs. $1.95.**

PARA-DICHLOROBENZENE. The only effective cure for peach tree borer. Use one ounce to each tree. One treatment will absolutely eradicate the borers. and will get every one. **Lb. 45 cts.; 5 lbs. $1.65.**

Pyrox NICOTINE PYROX. An Insecticide and Fungicide. Apple growers swear by this; potato growers make larger crops by its use. It does not wash off as do other poisons. It guards against all insects and prevents rots and blights. **10-oz. jar, 50 cts.; 5 lbs. $1.75; 10 lbs. $3.00. Pyrox** without nicotine, **25 lbs. $5.00; 50 lbs. $7.25; 100 lbs. $12.50.**

Pomo-Green With Nicotine. The Leaf-Green Rose Dust. Will control Black Spot, Mildew and external insects on roses. Also Snap-dragon Rust, Carnation Rust and Mildews in general on flowers and shrubs, **1-lb. can. 75 cts.; 5-lb. carton $3.00.**

Pomo-Green without nicotine, **5 lbs. $1.75.**

RED ARROW INSECT SPRAY Especially effective against Bean Beetles, Aphis, Slugs, Rose Chafers and other insects. It is non-poisonous. **Oz. 35 cts.; ¼ pt. $1.00; ½ pt. $1.75; pt. $3.25; qt. $6.00; 1 gal. $20.00.**

Salt. Fine Salt, 50 lbs. **75 cts.**; 100 lbs. **$1.15.** Ground Alum (coarse or ice cream salt), 100 lbs. **$1.35.** Rock Salt (for stock feeding), 100 lbs. **$1.50.** Rock Tombstones (50-lb. block), **85 cts.** each.

SCALECIDE. A miscible oil used as a dormant spray against Scale and other pests. **Qt. 60 cts.; gal. $1.40; 5 gals. $4.90.**

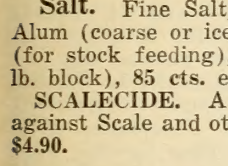
Semesan

SEMESAN. A disinfectant for use in treating seed to improve germination and vigor of growth, as well as to kill disease carried on the seed coats. As a fungicide it is unexcelled for the treatment of brown patch in grasses, especially golf greens. **2 ozs. 50 cts.; 1 lb. $2.50; 5 lbs. $11.75; 25 lbs. $46.25.**

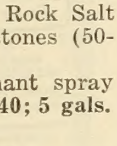
SEMESAN JR. A dust disinfectant for seed corn. **4 oz. 40 cts.; 1 lb. $1.50; 5 lbs. $7.00.**

SEMESAN BEL. An instantaneous dip disinfectant for seed potatoes. **4 ozs. 50 cts.; 1 lb. $1.75; 5 lbs. $8.00; 25 lbs. $31.25.**

HAMMOND'S SLUG SHOT. Well known remedy for Tobacco Bugs. **1-lb. Sifter Top, 20 cts.; 5 lbs. 70 cts.**



SNAROL. An effective bait for controlling Cutworms, Grasshoppers, Snails, Slugs and Sow Bugs. Not injurious to plants or other vegetation. **1½ lb. 35 cts.; 4 lbs. 85 cts.; 15 lbs. $3.00.**



So-Bos-So Kilfly

Keeps the Flies Away from the Cow
Increases Milk Production Over 20 Per Cent

Use it and milk in comfort—the stuff that keeps off the fly and mosquito. Few things there are that do as much to relieve the farm animals as this. It saves feed, helps cows to produce more milk and, at the same time, saves the nerves of the milkers. We recommend this preparation highly. **Price, ½ gal. 95 cts.; gal. $1.50.**

SULPHUR FOR DUSTING. **Per lb. 10 cts.; 10 lbs. 85 cts.; 25 lbs. $1.75; 100 lbs. $6.00.**

TOBACCO DUST. Fatal to green and black fly and similar garden pests, by simply dusting over the plants. If dug around the roots will keep away all pests below ground and insure health to the plants. **Lb. 10 cts.; 10 lbs. 50 cts.; 25 lbs. $1.00; 100 lbs. $2.75.**

TOBACCO STEMS. **100-lb. bales** **$2.00**

TREE WOUND PAINT. A penetrating antiseptic paint to prevent decay after pruning. Stops tree bleeding. **Qt. 75 cts.; gal. $2 50.**

TUBER TONIC. Unexcelled for potatoes. **Lb. 45 cts.; 5 lbs. $2.00.**

VOLCK. A spray for the garden, nursery and greenhouse; effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphis, thrip, etc.; not only kills the insects but also acts as a repellant. **Per ½ pt. 35 cts.; pt. 60 cts.; qt. 90 cts.; gal. $2.50.**

GRAFTING WAX. Used for grafting trees and other plants. **¼ lb. 20 cts.; ½ lb. 50 cts.**

WILSON'S O. K. SPRAY, **qt. $1.00; gal. $3.00; 5 gals. $12.00.**

Inoculate

ALL LEGUMES

Alfalfa, all Clovers, Soy Beans, Cow Peas, Peas, Beans, Vetch, Peanuts with

NOBBE-MILTNER PROCESS NITRAGIN TRADE MARK REG'D. DEC. 5, 1898 NO. 32212

THE ORIGINAL LEGUME INOCULATOR
Guaranteed Fresh Each Year—Leads in High Germ Count

For profitable results. Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. Fresh, high count NITRAGIN, containing billions of efficient nitrogen-gathering germs, builds up the soil.

All Legume Germs are PERISHABLE. To Protect You, NITRAGIN Cans are Stamped With Expiration Date. Insist on NITRAGIN.

Mixing Nitragin with Seed

Legume germs die rapidly when dried. NITRAGIN, containing between 30% — 40% moisture, will readily stick to the seed without adding water, and give inoculation. However, for best results, the preferred practice, recommended by The Nitragin Company and Agricultural Authorities is to use water when mixing legume culture with seed.

NITRAGIN PRICES

Alfalfa, All Clovers

Size	
½ bu.	$ .35
1 bu.	.65
2½ bu.	1.40

When ordering, always specify kind of seed

Peas, Vetch, Beans, Austrian Winter Peas

Size	
½ bu.	$ .35
1 bu.	.50
*1 2–3 bu.	.80
5 bu.	2.25

* Also called "100-lb. size."

Soy Beans and Cow Peas

1 bu.	$ .35	5 bu.	$1.40
2 bu.	.65	10 bu.	2.45

Garden Nitragin—Garden Size—Peas, Beans, Sweet Peas. Inoculates from 1 oz. to 8 lbs. seed. **Price 25 cts.**

IMPORTANT—When ordering NITRAGIN, always be sure to state kind of legume seed you wish to inoculate. Nitragin has served the American farmer since 1898.

Ellisco Beetle Catchers

"Red Star Brand"
(Patent Applied for)

This Beetle Trap is the result of scientific researches on the destruction of the Japanese Beetle. The new vertical wing, with perforated bait lure, attracts and holds even the most elusive of these beetles and holds them directly over the funnel into which they drop. Need be baited only once a season; bait sold separately, with full directions.

No. 0 size, fits on any Mason jar or similar container, made of tin, **40 cts. each.**

Beetle Bait. ¼-pt. cans for use with No. 1 trap, **30 cts.**

Hyper-Humus

NATURE'S OWN SOIL ENRICHER

This is rich soil humus that has been aerated, sweetened and composted, making it an ideal top dressing for lawns and flower beds; makes heavy soils light and porous, light soils heavy, just what you need to promote plant and lawn development at the seashore; gives immediate and permanent effects wherever used. No odor; no weeds.

For lawns use 200 lbs. to 1,000 sq. ft.; for vegetables and flowers spread about one inch thick. It will work wonders. **1 lb. 10 cts.; 5 lbs. 25 cts.; 10 lbs. 50 cts.; 25 lbs. 75 cts.; 100 lbs. $2.00; 500 lbs. $7.50; ton $25.00.**

Feed Plants as Experts Do!

Those beautiful gardens at the horticultural exhibit of A Century of Progress Exposition were fed regularly with Vigoro. The selection of this complete plant food by the professional gardeners in charge of these important gardens is a true indicator of its value to successful gardening.

Avail yourself of the help Vigoro can give in making your garden more beautiful and attractive. It is clean, odorless and economical. Four pounds feeds 100 square feet of lawn and garden area.

VIGORO
Complete plant food

100 lbs., $4.00 50 lbs., $2.50 25 lbs., $1.50 10 lbs., 85 cts.
5 lbs., 50 cts. 12 oz., 10 cts.

At these low prices you can well afford to give everything you grow a square meal. Lawns, flowers, shrubs, trees and vegetables all do better when fed regularly with Vigoro. Directions for use included.

ADCO is a powder which, when mixed with almost any non-woody vegetable waste, such as leaves, vines and weeds, and kept moist, gradually converts the mass into real manure fully equal to the farmyard product in fertilizing power, but free from foul odor, flies, weed-seeds, etc.

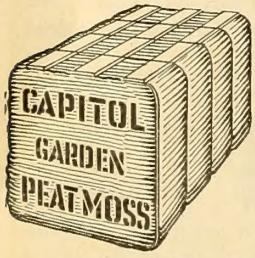
ADCO, in 150-lb. bags, each (enough for a heap 10 ft. x 10 ft. x 6 ft., making about 3 tons of manure) **$10.50**

ADCO, in 25-lb. bags, each (enough for 12 wheelbarrow loads of garden waste, making ½ ton of manure) **2.00**

Land Plaster. (Ground Gypsum) Should be more widely used for deodorizing manure piles. When used for this purpose it also stops the loss of plant food.

Plaster is also widely used for mixing with insecticides for dusting plants, having been used for many years with Paris Green on potatoes. 50-lb. paper sack, **50c**; 100 lbs. **90c**; 1 ton, $15.00; f.o.b. Washington, D. C.

Peat Moss



Finely granulated, thoroughly dried material of good quality. The dependable source of necessary organic matter (humus) in the soil. Free from weed seed and injurious bacteria. Maintains proper moisture content in soil, improving the condition of the soil; for propagating benches; and where layering is practiced; for leveling greenhouse benches in place of sand or ashes; in potting soil; for storing bulbs and tubers over dormant season; mulching flower and vegetable beds, Evergreens, Roses, shrubs, etc., for making lawns and keeping them in condition and for many other purposes.

	1 Inch Deep	2 Inch Deep	3 Inch Deep
1 bale will cover approximately..	250 Sq. Ft.	125 Sq. Ft.	80 Sq. Ft.

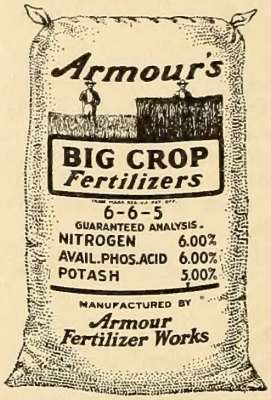
Standard size bales, burlaped and protected by wooden slats, wire bound. Size about 20 x 22 x 40 inches, approximately 12 cubic feet, $2.50.

Armour's Big Crop Fertilizers

Write for Special Prices

BIG CROP 6-6-5. We recommend this fertilizer to all who look forward to early and good crops. It is especially desirable for use on early truck crops and potatoes. Analysis 6% of Nitrogen, 6% of Phosphoric Acid, 5% of Potash.

BIG CROP 8-5-2. Special Top Dresser Fertilizer, used especially for very early crops and tobacco beds. Analysis 8% of Nitrogen, 5% of Phosphoric Acid, 2% of Potash.



BIG CROP 4-8-4. Very popular for potatoes and many other crops where a medium priced fertilizer is desired. Analysis: 4% Nitrogen, 8% Phosphoric Acid, 4% Potash.

BIG CROP 2-8-5 and GENERAL 2-9-2. Very popular fertilizers of moderate price for general use.

We are also prepared to furnish other brands of complete fertilizers; also 16% Acid Phosphate, 20% Superphosphate, Fine Ground Raw Bone Meal, Sulphate of Potash, Fine Ground Animal Tankage, Muriate of Potash and many others.

FULTON'S Plantabbs are small, white odorless tablets. A complete, properly balanced fertilizer guaranteed the high analysis of nitrogen 11%, phosphoric acid 15%, potash 20%, are water soluble, dissolves quickly, giving immediate fertilization. Ideal for house plants where smelly fertilizer cannot be used but equally good for all garden planting, especially roses. **30 Tablets 25c; 75 Tablets 50c; 200 Tablets $1.00; 1,000 Tablets $3.50.**

Nitrophoska-15-30-15. A lightly concentrated complete fertilizer—all of it is soluble and easily available for rapid sturdy growth. **1 lb. 25 cts.; 5 lbs. 90 cts.; 10 lbs. $1.50; 25 lbs. $2.75; 50 lbs. $4.75.**

Floranid. (Urea.) Floranid is a very rich nitrogen fertilizer (46 per cent nitrogen) used during the growing season to obtain more rapid growth, richer color of foliage and greater brilliancy of bloom. **1 lb. 25 cts.; 5 lbs. 90 cts.; 10 lbs. $1.50; 25 lbs. $2.75; 50 lbs. $4.75.**

ALUMINUM SULPHATE. Used to make soils acid. Especially recommended for growing Rhododendrons, Mountain Laurel, Azaleas and other shrubs for which it is necessary to approximate the acid soil conditions, their natural habitant and such as is generally the case in virgin forests where these shrubs grow wild. **Lb., 15c; 5 lbs., 50c; 10 lbs., 75c.**

SULPHATE OF AMMONIA. This material will stimulate growth almost immediately. Analysis: 20.57% Nitrogen. **100 lbs. $2.50.**

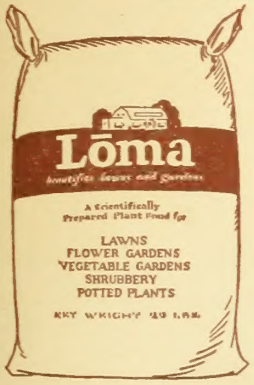
NITRATE OF SODA. Promotes rapid growth of green material. Contains 15.5% Nitrogen. **100 lbs. $2.50.**

COTTON SEED MEAL. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. **Lb. 10c; 2 lbs. 15c; 10 lbs. 50c; 25 lbs. 85c.**

Lōma

The Perfect Plant Food

Beautifies Lawns, Vegetable Gardens, Flowers, Potted Plants, Fruit and Shade Trees



Agricultural experts agree that the quickest and surest way to lawn and garden beauty is proper root feeding. Plants depend upon the soil for nourishment, and unless you put food into the ground, in correctly balanced proportions, your plants cannot thrive.

Lōma is a concentrated, high quality plant food, rich in the elements vital to plant life—nitrates, phosphates and potash, as well as other plant nourishment. All the food elements that lawns and gardens need, combined and processed to make them quickly and fully available.

Lōma is odorless, clean, entirely free from weed seeds, and easy to apply. It is sown like grass seed—then wet down thoroughly.

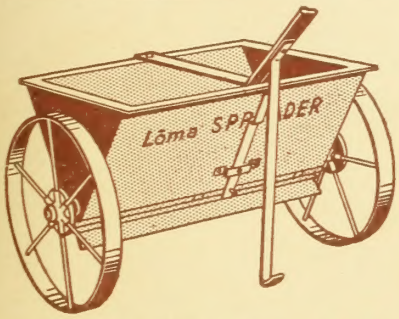
Lōma provides a balanced ration for plants—the roots take it up at once and yet Lōma continues to supply them throughout the entire growing season.

Lōma is packaged in six convenient sizes, from the 1-lb. can to the 100-lb. sack.

LŌMA PRICES

1-lb. can	$ .10	25-lb. bag	$1.50
5-lb. can	.50	50-lb. bag	2.50
10-lb. bag	.85	100-lb. bag	4.00

LŌMA SPREADERS

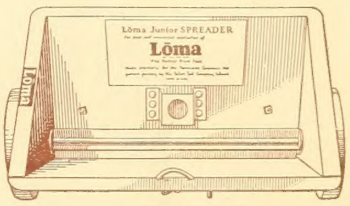


Featuring the New Junior Spreader

The 16-inch and 30-inch Spreaders are as rugged and dependable as of old. Hoppers made of galvanized iron with patented automatic shut-off controls. The agitator in both sizes distributes Loma or grass seed in correct amounts. Accurately regulated by the feeder slides. The wide dashboard gives even distribution. A leg rest is provided for convenient filling.

The Loma Junior Spreader is a mechanically complete job—is equipped with bolted agitator and yet the price places it within the reach of all.

Prices: 16″ Spreader—$6.75; 30″ Spreader—$12.50; Lōma Junior Spreader—$2.50



Lōma Junior Spreader

SOIL·PREP

The New Scientific Soil Conditioner

Soil-Prep is approximately ten times as effective as the average barnyard manures. It contains almost twice the plant food value of refined sheep manure.

Soil-Prep assimilates with the soil more readily than peat moss, is entirely free from weed seeds, contains no filler and does not have an unpleasant odor.

Soil-Prep is packaged in 5, 10, 25, 50 and 100-pound bags, reasonably priced.

SOIL-PREP PRICES

5-lb. bag	$ .30	25-lb. bag	$1.00
10-lb. bag	.50	50-lb. bag	1.75
100-lb. bag	$3.00		

HYDRATED LIME. Unexcelled for sweetening sour land and soil. Can be broadcast and harrowed in or mixed with the soil. For dusting of plants and trees, Hydrated Lime is one of the best materials to mix with the insecticide. It is used also as a deodorizer and for making whitewash. **10 lbs. 20 cts.; 50-lb. paper sack 60 cts; 1 ton, write for prices.**

BLOOD MEAL—FOR ROSES. For the best results with Roses, a tablespoonful to be sprinkled around the bush, about one inch away from the bush, every two weeks. It is also very valuable as a top-dressing in the vegetable garden, flower garden, around house plants, trees and in hot houses. **1 lb. 15 cts.; 3 lbs. 25 cts.; 5 lbs. 40 cts.; 10 lbs. 75 cts.**

GIVE YOUR SOIL WHAT IT NEEDS TO MAKE THINGS GROW

Use a Fertilizer that combines natural humus and organic matter with natural plant food. One that actually makes available and useful a great amount of fertility lying dormant and inactive in the soil.

WIZARD BRAND PULVERIZED SHEEP MANURE AND SHREDDED CATTLE MANURE is a particularly efficient material for making up the compost supply. It is used in this way by many florists who have limited space and who cannot mix their compost in the old way. It acts quickly, has a better effect on the soil, and is much more easily handled. WIZARD BRAND is just this kind of a fertilizer. It's all natural plant food and humus that makes better soil and better crops. No matter what you grow—fruit, vegetables and grain, or just flowers and grass about the home—WIZARD BRAND SHEEP MANURE "Makes Nature Hustle," and builds up your soil at the same time. **Price: 10 lbs. 50 cts.; 25 lbs. 90 cts.; 50 lbs. $1.50; 100 lbs. $2.50.**

Wizard Brand Cow Manure at same prices as sheep manure.

BONE MEAL. Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. Apply 800 to 1000 lbs. per acre. **Price: 10 lbs. 50 cts.; 25 lbs. 90 cts.; 50 lbs. $1.50; 100 lbs. $2.50.**

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CALENDULA, "Chrysantha." PKT. 15c.

BOLGIANO'S "BLUE EAGLE" COLLECTION

ONE LARGE PACKET OF EACH

7 VARIETIES

50c

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ANNUAL CANTERBURY BELLS. PKT. 15c.

VENIDIUM, "Fastuosum." PKT. 20c.

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NASTURTIUM, "Golden Gleam." PKT. 15c.

ZINNIA, "Dahlia Flowered Mixed." PKT. 10c.

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